



UNIVERSITY OF CALICUT

Abstract

B.Ed Programme- 2 year B.Ed. Curriculum (Syllabus, Scheme of examinations and Regulations)- implemented with effect from 2017 admission -Orders issued.

G & A - IV - J

U.O.No. 9922/2017/Admn

Dated, Calicut University.P.O, 08.08.2017

- Read:-*1. U.O.No. 8664/2015/Admn dtd. 06.08.2015
2. U.O.No. 11447/2015/Admn dtd. 07.11.2015
3. Item No. 3 in the minutes of the meeting of Board of Studies in Education UG held on 02.02.2017
4. Item No. 4 in the minutes of the meeting of Faculty of Education held on 06.07.2017
5. Item No. II(D) in the LXXVI meeting of Academic Council held on 17.07.2017
6. Orders of Vice Chancellor in File No. 10015/GA-IV-J2/2014/CU dated 04.08.2017

ORDER

2 year B.Ed. Curriculum (Syllabus, Scheme of examinations and Regulations) in the University of Calicut w.e.f 2015 admission onwards has been implemented vide paper read as (1).

Vide paper read as (2), the code assigned for the Optional paper Theoretical Bases of Teaching Malayalam in the Regulations and Syllabus has been corrected in the 2 year B.Ed. Curriculum w.e.f. 2015 admission.

Board of Studies in Education (UG) vide paper read as (3), resolved to modify the existing two year Bed Curriculum of the university of Calicut with effect from 2017 admission onwards.

Faculty of Education vide paper read as (4) and Academic Council vide paper read as (5), approved the modifications recommended by the Board.

Vice Chancellor, vide paper read as (6), has ordered to implement the resolution in the minutes of the Academic Council and to implement the revised 2 year B.Ed. Curriculum (Syllabus, Scheme of examinations and Regulations).

Sanction has, therefore, been accorded for implementing the 2 year B.Ed. Curriculum (Syllabus, Scheme of examinations and Regulations) in the University of Calicut w.e.f 2017 admission.

Orders are issued accordingly.

(Appended Syllabus, Scheme of examinations and Regulations)

Ajitha P.P

Joint Registrar

To

The Principals of all the Teacher Education Colleges under University
Copy to: DTE/ Pareeksha Bhavan/ JCE-7/Digital Wing

Forwarded / By Order

Section Officer

UNIVERSITY OF CALICUT



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**CURRICULUM OF
REVISED TWO YEAR BACHELOR OF EDUCATION (B.Ed.) PROGRAMME**

With effect from 2017-2018 Academic Year

PREFACE TO THE REVISED TWO YEAR B.Ed CURRICULUM

University of Calicut has started two year B.Ed Programme as per the Directions of NCTE Regulations – 2014. The students of first Batch of two year B.Ed Programme complete their programme in the year 2017. Considering the feedbacks from different stakeholders, Board of Studies in Education (UG), Calicut University has decided to modify the existing two year B.Ed Programme. The revision will be applicable to 2017 admission onwards. For Revising the curriculum, Board of Studies has organized two regional workshops – one at NSS Training College Ottappalam for Teachers of B.Ed Colleges affiliated to Calicut University from Thrissur and Palghat District and Second one at Farook Training College, Calicut for teachers of B.Ed Colleges affiliated to Calicut University from Calicut, Malappuram and Wayandu Districts. Considering the opinion of teachers, minor modifications were incorporated to the existing curriculum. More clear guidelines are given to the conduct of School internship and other practicals. The modifications were done based on the suggestions of NCTE in their Model curriculum for B.Ed Programme.

Board of studies extends its sincere gratitude to Dr Mohammed Basheer, Honourable Vice Chancellor of Calicut University for his guidance and patronage extended to us. Board also extends its thanks to Internal Quality Assurance Cells of Farook Training College and NSS Training College ottappalam for collaborating with us in organizing workshop for revision of the curriculum. The Board Expresses its sincere thanks to all the teachers who contributed to the revision of two year B.Ed Programme.

C U Campus

Dr Jayaprakash R K

31/03/2017

Chairman, BoS (UG)

Education

PREFACE TO THE TWO YEAR B.Ed CURRICULUM

“The destiny of India is now being shaped in her classrooms”, the Education Commission professed. The NPE 1986 also emphasized, “The status of the teacher reflects the socio-cultural ethos of the society; it is said that no people can rise above the level of its teachers”. Such exhortations are indeed expressions of significant role played by the teachers. Hence education

reforms invariably accord highest priority to improve teacher effectiveness. The issue of quality teacher education is closely tied up with the concern for the duration of initial teacher preparation programmes. Over the last two decades in India, the issue of curriculum renewal and extended duration of secondary stage teacher education has received serious attention. A perusal of the reports of various commissions and committees like Kothari Commission, Chattopadhyaya commission and justice Verma committee indicate the preference for longer duration of B.Ed. programme. It was also endorsed by the Hon'ble Supreme Court of India. The NCTE made the recommendation for beginning a two-year B.Ed. programme to prepare quality teachers as per Regulation 2014. Accordingly, the two-year B.Ed. course aims at a complete development of the student-teacher; particularly in knowledge and skills, in individual care of the learner and also in methods and evaluation designed to facilitate learning. The curriculum retains the essence of student-teachers being active participants in the learning process and prepares the student-teachers for facing the emerging challenges resulting out of globalization and its consequences.

The curriculum could not have been completed without the dedication of the 13 core committee members and 65 members of Expert committees. In the process of designing the B. Ed curriculum the Board of Studies in Education (UG) received valuable inputs from teacher educators through a series of intensive deliberations. The contribution of the IQAC of Farook Training College in organizing a workshop for developing the draft curriculum is duly acknowledged. . The draft curriculum was subsequently scrutinized by an expert committee.

It is with profound respect and gratitude we retrospect the inspiring guidance and patronage extended by the Honorable Vice Chancellor Dr.M. Abdul Salam in this venture. The Board of Studies specially places on record its deep gratitude to Prof (Dr.) K. Sivarajan, Dean, Faculty of Education for guiding us. We sincerely acknowledge the valuable contributions made by the faculty members of Farook Training College, Calicut, NSS Training College, Ottappalam, IASE, Thrissur and all other members of expert committee.

The Board of Studies dedicates this new curriculum to the teacher education community.

27/05/2015

Prof.A.Faziluddin

Chairman, Board of Studies in Education (UG)

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UNIVERSITY OF CALICUT
2 YEAR BACHELOR OF EDUCATION (B.Ed.) PROGRAMME

1. INTRODUCTION

Bachelor of Education (B. Ed.) programme is a professional programme meant for preparing teachers for upper primary or middle level (classes VI- VIII), secondary level (classes IX-X) and senior secondary level (classes XI-XII)

It is well known that the quality of school education is determined primarily by teacher competence, sensitivity and teacher motivation. It is common knowledge too that the academic and professional standards of teachers are achieved only by a systematically conceived teacher education programme. The Teacher Education mission is to empower candidates to become ethical, knowledgeable, prepared individuals who can assume the role of teacher in elementary and secondary schools as well as prepare them for further career choices and advancement.

As envisioned by NCTE Regulation 2014 the University of Calicut revises its teacher education programme for preparing professionally empowered teachers. The Board of Studies hopes that this revised Teacher Education Curriculum has tremendous potential to imbue the prospective teachers with the aspirations, knowledge base, repertoire of pedagogic capacities and human

attitudes. The Two year B.Ed. programme shall be introduced with effect from academic year 2015-16. The modified curriculum of the two year programme shall be implemented from the academic year 2017-18.

The course structure offers a comprehensive coverage of themes and rigorous field engagement with the child, school and community. The programme is comprised of three broad inter-related curricular areas – I) Perspectives in Education, II) Curriculum and Pedagogic Studies, and III) Engagement with the Field. All the courses include in-built field-based units of study and projects along with theoretical inputs from an interdisciplinary perspective. Engagement with the Field is the curricular component that is meant to holistically link all the courses across the programme, while it also includes special courses for Enhancing Professional Capacities (EPC) of the student teachers. Transaction of the courses is to be done using a variety of approaches, such as, case studies, group presentations, projects, discussions on reflective journals, observations of children, and interactions with the community in multiple socio cultural environments.

Definitions

Programme: Programme means a patterned combination and sequences of courses in the discipline education spreading over four semesters, the successful completion of which would lead to the award of a bachelor degree in education

The curriculum will be introduced in all the Colleges of Teacher Education affiliated to University of Calicut and the Calicut University Teacher Education Centers directly run by the University with effect from 2015-2016 admissions.

Course: Course is a complete integrated series of lessons / instructional content which are identified by a common title.

Semester System: An academic system with programme designed to be completed progressively within a period covering multiples of half an academic year. It is a pattern of the course in which the whole programme is divided into different parts and each part is intended for a specified period of time, called semesters. The B.Ed. programme includes four semesters.

2. STRUCTURE OF THE PROGRAMME

B. Ed. programme is a professional teacher education programme. The programme consists of four semesters of 100 days each. The structure of the course is in tune with the framework suggested by NCTE. The theory courses consist of seven (7) courses under **Perspectives in Education**, six (6) courses under **Curriculum and Pedagogic Studies** and one (1) additional Optional Courses .Under the category **Engagement with the Field** apart from School Internship four (4) EPC courses are introduced for enhancing professional capacities

Structure of the B.Ed. Programme

Semester I		COURSES	Hours/ Semester	Externa l	Internal	Total
Course Code	Core Courses					
EDU 01		EDUCATION IN CONTEMPORARY INDIA	100	80	20	100
EDU 02		DEVELOPMENT OF THE LEARNER	100	80	20	100
EDU 03		SCHOOL ORGANIZATION	50	40	10	50
EDU 04		UNDERSTANDING DISCIPLINES AND SUBJECTS	50	40	10	50
		Optional Course(i)				
EDU 05.1		THEORETICAL BASES OF TEACHING ARABIC	100	80	20	100
EDU 05.2		THEORETICAL BASES OF TEACHING ENGLISH				
EDU 05.3		THEORETICAL BASES OF TEACHING HINDI				
EDU 05.4		THEORETICAL BASES OF TEACHING MALAYALAM				
EDU 05.5		THEORETICAL BASES OF TEACHING SANSKRIT				
EDU 05.6		THEORETICAL BASES OF TEACHING TAMIL				
EDU 05.7		THEORETICAL BASES OF TEACHING URDU				
EDU 05.8		THEORETICAL BASES OF TEACHING COMMERCE				
EDU 05.9		THEORETICAL BASES OF TEACHING COMPUTER SCIENCE				
EDU 05.10		THEORETICAL BASES OF TEACHING MATHEMATICS				
EDU 05.11		THEORETICAL BASES OF TEACHING NATURAL SCIENCE				
EDU 05.12		THEORETICAL BASES OF TEACHING PHYSICAL SCIENCE				
EDU 05.13		THEORETICAL BASES OF TEACHING SOCIAL SCIENCE				
		TOTAL		320	80	400
		Practical Courses				
		Tasks and Assignments for Courses EDU 01-05	30(1 Week)	-	-	
		College based Practicum and Tests for courses 01-05	30			
EDU 101		Micro Teaching	30		30	30

EDU102	(EPC1) LANGUAGE ACROSS CURRICULUM - READING AND REFLECTING ON TEXTS	50	50	50
EDU103	YOGA HEALTH& PHYSICAL EDUCATION-1	30	20	20
	Co-curricular Activities/ Tutorials/Guidance /Utilizing Library Resources	50	00	00
TOTAL		600	320	180
				500

Semester II

Course Code	COURSES	Hours/ Semester	External	Internal	Total
EDU 06	PERSPECTIVES ON EDUCATION	50	40	10	50
EDU 07	FACILITATING LEARNING	100	80	20	100
EDU 08	ASSESSMENT FOR LEARNING	100	80	20	100
	Optional Course (ii)				
EDU 09.1-	PEDAGOGIC PRACTICES OF ARABIC	100	80	20	100
EDU 09.2	PEDAGOGIC PRACTICES OF ENGLISH				
EDU 09.3	PEDAGOGIC PRACTICES OF HINDI				
EDU 09.4	PEDAGOGIC PRACTICES OF MALAYALAM				
EDU 09.5	PEDAGOGIC PRACTICES OF SANSKRIT				
EDU 09.6	PEDAGOGIC PRACTICES OF TAMIL				
EDU 09.7	PEDAGOGIC PRACTICES OF URDU				
EDU 09.8	PEDAGOGIC PRACTICES OF COMMERCE				
EDU 09.9	PEDAGOGIC PRACTICES OF COMPUTER SCIENCE				
EDU 09.10	PEDAGOGIC PRACTICES OF MATHEMATICS				
EDU 09.11	PEDAGOGIC PRACTICES OF NATURAL SCIENCE				
EDU 09.12	PEDAGOGIC PRACTICES OF PHYSICAL SCIENCE				
EDU 09.13	PEDAGOGIC PRACTICES OF SOCIAL SCIENCE				
	TOTAL	350	280	70	350

Practical Courses

	Tasks and Assignments for Courses EDU 06-09	30(1 week)	-	-	
	College based Practicum and Tests for courses 6-09	30			
EDU 201.1	PEER DISCUSSION LESSONS	20		20	20
EDU 201.2	OBSERVATION LESSONS & FACULTY DEMONSTRATION LESSONS	10		10	10
EDU 201.3	PEER CRITICISM LESSONS	20		30	30
EDU 201.4	WORKSHOP ON TEACHER ENRICHMENT (PREPARATION OF TEACHING –LEARNING MATERIALS)	20		20	20
EDU 201.5	INITIATORY SCHOOL EXPERIENCES	30(1 Week)		20	20
	Co-curricular Activities/ Utilizing Library Resources	90		00	00
		600	320	180	450
TOTAL					

Semester III

Sl. No	COURSES	Hours/ Semester	External	Internal	Total
EDU 301	SCHOOL INTERNSHIP	16 Weeks	1	260	260
EDU 302	(EPC2)ART AND DRAMA IN EDUCATION	30		30	30
EDU 303	YOGA, HEALTH & PHYSICAL EDUCATION-II	30		30	30
EDU 304	COMMUNITY LIVING CAMP	30		30	30
				350	350
TOTAL					

Semester IV

Sl. No	COURSES	Hours/ Semester	External	Internal	Total
EDU 10	GENDER, SCHOOL AND SOCIETY	50	40	10	50
EDU 11	EDUCATIONAL THOUGHTS AND PRACTICE	50	40	10	50
EDU 12	CREATING AN INCLUSIVE SCHOOL	50	40	10	50
	Optional Course (iii)				

EDU 13.1	PROFESSIONALIZING ARABIC EDUCATION	50	40	10	50
EDU 13.2	PROFESSIONALIZING ENGLISH EDUCATION				
EDU 13.3	PROFESSIONALIZING HINDI EDUCATION				
EDU 13.4	PROFESSIONALIZING MALAYALAM EDUCATION				
EDU 13.5	PROFESSIONALIZING SANSKRIT EDUCATION				
EDU 13.6	PROFESSIONALIZING TAMIL EDUCATION				
EDU 13.7	PROFESSIONALIZING URDU EDUCATION				
EDU 13.8	PROFESSIONALIZING COMMERCE EDUCATION				
EDU 13.9	PROFESSIONALIZING COMPUTER SCIENCE EDUCATION				
EDU 13.10	PROFESSIONALIZING MATHEMATICS EDUCATION				
EDU 13.11	PROFESSIONALIZING NATURAL SCIENCE EDUCATION				
EDU 13.12	PROFESSIONALIZING PHYSICAL SCIENCE EDUCATION				
EDU 13.13	PROFESSIONALIZING SOCIAL SCIENCE EDUCATION				
EDU 14	Additional Optional course*	50	40	10	50
EDU14.1	CHILD RIGHTS EDUCATION				
EDU14.2	ENVIRONMENTAL EDUCATION				
EDU14.3	EDUCATION FOR DIFFERENTIALLY ABLED				
EDU14.4	GUIDANCE AND COUNSELLING				
EDU14.5	HEALTH AND PHYSICAL EDUCATION				
EDU 14.6	MANAGEMENT IN SCHOOL EDUCATION.				
EDU 14.7	VALUE EDUCATION AND PEACE EDUCATION				
	TOTAL		200	50	250
	Tasks and Assignments for Courses EDU11-14	30(1week)			-
	College based Practicum and Tests for courses 11-14	20			
EDU 401	(EPC3)CRITICAL UNDERSTANDING OF ICT	30		30	30

EDU 402	(EPC4)UNDERSTANDING THE SELF	30		30	30
EDU 403.1	SUPW & WORKING WITH COMMUNITY	30		20	20
EDU 403.2	FIELD TRIP/STUDY TOUR	30		20	20
EDU 404	PRACTICAL EXAMINATION AND VIVA VOCE		100		100
	Seminar	50			
	Co-curricular Activities/ Tutorials/Guidance / Utilizing Library/e-Resources	130			0
TOTAL		600	300	150	450
GRAND TOTAL					1750

The practical courses of the B.Ed. programme collectively come under the broad category **Engagement with the Field**. The practical courses are classified in to three groups-*viz. College based, Community based and School based Practicals*. These field attachment practical courses enable student teachers to engage with children and their contexts, schools and their contexts.

Semester	College based Practicals	Community based Practicals	School based Practicals
SEMESTER I	EDU 101 Microteaching EDU102. (EPC1)Language Across curriculum -Reading and Reflecting on Texts EDU103. Yoga Health& Physical education-I	-----	-----
SEMESTER II	EDU 201.2 Peer discussion lessons EDU 201.3 Observation lessons &faculty demonstration lessons EDU 201.4 Peer criticism lessons EDU 201.5 Preparation of teaching – learning materials	-----	EDU 201.6 Initiatory School Experiences
SEMESTER III	EDU 302.(EPC2) Art And Drama In Education EDU 303. Yoga, Health &Physical Education-II	EDU 304. Community Living Camp	EDU 301. School Internship
SEMESTER IV	EDU 401.(EPC3) Critical Understanding of ICT EDU 402.(EPC4) Understanding The Self	EDU 403.1 SUPW & Working With Community EDU 403.2 Field Trip/Study Tour	-----

3. COURSE REGULATIONS

Scope

The regulation provided herein shall apply to the regular B.Ed. programme conducted by the Affiliated colleges- Government/Aided/Unaided/ Self-financing, and Calicut University Teacher Education Centers with effect from the academic year 2015-2016 admission onwards. The provisions herein supersede all the existing regulations for the regular B.Ed. programme conducted by the teacher education institutions of the University of Calicut unless otherwise specified.

Duration of the Programme:

The B.Ed. Programme is of four semesters spread over two years duration. However, the students shall be permitted to complete the programme requirements within a maximum of four years from the date of admission to the programme. Classes of First semester shall be started latest by July in all affiliated colleges of University of Calicut. The minimum number of working days in each semester shall be 100 and in each year shall be 200 excluding days of admission and examinations.

Eligibility for Admission: Candidates seeking admission to the B.Ed. programme shall be required to have

(i) at least 50% marks or an equivalent grade either in the Bachelor's degree and/or in the Master's Degree in Science/ Social Science/Humanity.

(ii) at least 55% marks or an equivalent grade in the Bachelor's degree in Engineering or Technology with specialization in Science and Mathematics (In case of B.Tech / B.E degree aggregate marks/grade in **Science and Mathematics papers** alone will be considered)

(iii) Any other qualification equivalent thereto OR the eligibility requirements, rules and regulations for B.Ed. admissions fixed by the University of Calicut from time to time

Relaxation in the marks will be allowed in the case of Candidates belonging to scheduled castes / Scheduled tribes/ socially and Educationally Backward classes/PWD and other applicable categories as per the rules of state government.

Medium of Instruction:

The medium of instruction shall be English for all courses. However, in case of languages, instruction may be given partly in the language concerned. Medium of examination shall be English/Malayalam. The Language Optional papers shall be written in the language specified in the Question paper.

Attendance: A student shall be considered to have satisfactory attendance to appear the examination if he/she attends not less than 80% for all theory classes and course work and practicum and 90% for internship. Condonation of shortage of attendance shall be as per existing University rules. Candidates with shortage of attendance beyond condonable limit will not be eligible to register for the end semester University examination. In such cases the candidate has to repeat the course by taking re-admission from the University.

Registration for each Semester

All the courses carrying score should be compulsorily attended by all the candidates for the successful completion of the course. Only such candidates are permitted to register for the End Semester University examination. Every candidate should register for all subjects of the end-semester examinations of 1st, 2nd and 4th semester before its closure. But for the 3rd semester (Since having no End Semester Theory Examinations), registration is to be done after the closure of the semester. A candidate who does not register will not be permitted to attend the end-semester

examinations; he/she shall not be permitted to attend the next semester. A candidate shall be eligible to register for any higher semester, if he/she has satisfactorily completed the course of study and registered for the examination of the immediate previous semester. He/she should register for the semester before the stipulated date. University will notify the date of registration and the starting and closing dates for each semester.

Re-admission rules Those candidates who discontinue the course can be given the provision of readmission if otherwise eligible as long as the same scheme exists. There shall be provision for readmission in the same institution in the second, third and fourth semesters within a period of three years for those who have satisfactorily completed first, second and third semesters respectively and also registered for the previous semester University Examination, provided there is vacancy in the institution and the syllabus being the same. Re-admission shall be permitted during the first week of 2nd, 3rd and 4th semester.

Additional Optional

In the fourth semester, students shall choose one additional optional course from the subjects prescribed in the syllabus and offered by the institution.

Seminar

Seminars are an important part of professional life. B.Ed. students are expected to present one seminar paper on an educationally relevant theme during the 4th semester. 50 hours is set apart for the seminar. The whole batch of students should be assigned seminar presentation. (Refer annexure-II)

Scheme of instruction: - There shall be 100 contact hours for the instruction of each theory course with **full weightage (100 marks Course)** Fifteen hours is also assigned for tasks and assignments, college based practicals/tests of each full weightage theory course.

50 contact hours is allotted for the instruction of each theory course with **half weightage (50 marks Course)** and eight hours is also assigned for tasks and assignments/ college based practicals/tests of each half weightage theory course.

There shall be basic unit of 50 students each for Core Papers and not more than 25 students per teacher educator for Optional papers and other Practical courses of the programme to facilitate participatory teaching and learning

For instructional purpose all courses under Perspectives in Education viz. **EDU 01, EDU 02, EDU 06, EDU 07, EDU 10, EDU 11, EDU 12** and courses under Curriculum and Pedagogic Studies viz. **EDU 03, EDU 04, EDU 08** are considered as CORE COURSES. However the specific area/ content in **EDU 04** could be dealt with by concerned optional teachers.

Courses **EDU 05.1-13, EDU 09.1-13** and **EDU 13.1-13** are optional courses

Courses **EDU 14.1-7** are Additional Optional courses. Institutions with 50 annual intakes should offer a minimum of two courses from this; institutions with 100 annual intakes should offer at least three courses from this category. Faculty can cater to both Perspective and Pedagogy courses and also courses on **EPC** and be utilized for teaching in flexible manner so as to optimize expertise available.

Course Calendar

The course calendar, published by the University in advance, should be strictly followed for ensuring timely conduct of examinations and publication of results. Semester classes should be started and completed on the stipulated dates at all affiliated institutions as notified by the University. Regular classes for the subsequent semesters will be started only after completing the examinations of the just previous semester. Faculty members from affiliated institutions who are assigned duty by the University for Centralized Valuation Camp should strictly attend the

valuation at the specified center; Head of each institution should ensure this. Suspending classes for the conduct of valuation camp is not a feasible procedure; Home valuation may be implemented for examinations of 1st semester. Faculty members appointed for Centralized Valuation Camp/home valuation should necessarily have minimum three years teaching experience at B.Ed. degree level. Within a week after the commencement of classes of each semester, Head of each Institution should forward the list of faculty members working in the college along with their qualification and years of teaching experience, to the University. This is a mandatory requirement which should be strictly followed by Head of each Institution. Head of each Institution shall ensure the availability of sufficient number of regular faculty members having experience and qualifications (as per NCTE Regulations) in the institution.

Procedure for completing the course

A candidate shall be required to complete the B.Ed. programme after undergoing the prescribed courses of study in a college affiliated to the university for four semesters within a period of not less than two years; clear all the examinations prescribed and fulfill all such conditions as prescribed by the University from time to time. However the maximum duration permissible for taking the B.Ed. programme is fixed as 3 years after joining the course.

Eligibility for the Degree

No candidate shall be eligible for the B.Ed. degree unless he/she has undergone the prescribed course of study for a period of not less than two academic years in an institution affiliated to the University of Calicut and has passed all subjects as per the prescribed syllabus.

Revision of Regulation: Notwithstanding all that has been stated above, the university has the right to modify any of the regulations, scheme and syllabus of the programme from time to time as per University rules.

4. SCHEME OF EXAMINATION & INTERNAL ASSESSMENT.

Assessment of Students

Assessment of students for each subject will be done by internal continuous assessment and end semester examinations. Internal assessment shall be conducted throughout the semester. It shall be based on internal examinations, assignments (such as Tasks and assignments that run through all courses.) as specified in the syllabus. **End-semester examinations of theory subjects will be conducted by the University and those of all practical subjects will be conducted at institutional level.**

There shall be End Semester University Examinations in 1st, 2nd and 4th semesters. 3rd semester is an exclusive Practical semester and hence there will be no End Semester University Examinations for theory in the 3rd semester. However results of the Practical courses internally evaluated will be published by the university. End-semester examinations will be conducted only once in a year; failed candidates will have to appear for the end-semester examinations along with regular students of the next batch. To ensure transparency of the evaluation process, the student should be made aware of the criteria / indicators of assessment well in advance and the internal assessment marks awarded to the students in each course (theory and practical) shall be published on the notice board at least one week before the commencement of external examination so as to enable the students to report any corrections. There shall not be any chance for improvement for internal marks. There shall be no separate minimum for internal assessment of theory courses. Students may seek redress of grievances of internal evaluation at the teacher educator level or at the college evaluation committee level. The consolidated mark lists of all courses of a semester shall be submitted to the University immediately after the closure of each semester

Assessment in Theory Subjects

The ratio of internal to external examination for theory courses is 20:80.

The marks allotted for internal continuous assessment and end-semester university examinations shall be **20 marks and 80 marks** respectively with a maximum of **100** marks for each *theory subject with full weightage* and shall be **10 marks and 40 marks** respectively with a maximum of **50** marks for each *theory subject with half weightage*.

Internal evaluation: The internal evaluation of Theory courses shall be based on predetermined transparent system involving periodic written tests, practicum/tasks and assignments. The weightage to award internal continuous assessment marks should be as follows:
Test papers (minimum **two** for 100 marks courses and **one** for 50 marks courses) – 50%
Tasks and Assignments (**two** for 100 marks courses and **one** for 50 marks courses) -50%

Semester wise Scheme of Assessment of Theory Courses

Semester I						
Sl.No	Course code & Course Title	End Semester Examination(Theory)		Internal	Total	
		Duration	Marks			
1	EDU 01 EDUCATION IN CONTEMPORARY INDIA	3 Hours	80	20	100	
2	EDU 02 DEVELOPMENT OF THE LEARNER	3 Hours	80	20	100	
3	EDU 03 SCHOOL ORGANIZATION	2 Hours	40	10	50	
4	EDU 04 UNDERSTANDING DISCIPLINES AND SUBJECTS	2 Hours	40	10	50	
5	EDU.05.1-13 THEORETICAL BASES OF TEACHING*	3 Hours	80	20	100	
Total			320	80	400	

*Arabic, English, Hindi, Malayalam, Sanskrit, Tamil, Urdu, Commerce, Computer Science, Mathematics, Natural Science, Physical Science, Social Science

Semester II

Sl.no	Course code & Course Title	EndSemester Examination(Theor y)		Internal	Total
		Duration	Marks		
1	EDU 06 PERSPECTIVES ON EDUCATION	2Hours	40	10	50
2	EDU 07 FACILITATING LEARNING	3 Hours	80	20	100
3	EDU 08 ASSESSMENT FOR LEARNING	3Hours	80	20	100
4	EDU 09.1-13 PEDAGOGIC PRACTICES OF....*	3Hours	80	20	100
Total			280	70	350

*Arabic, English, Hindi, Malayalam, Sanskrit, Tamil, Urdu, Commerce, Computer Science, Mathematics, Natural Science, Physical Science, Social Science

Semester IV

Sl.no	Course code & Course Title	EndSemester Examination(Theor y)		Internal	Total
		Duration	Marks		
1	EDU 10 GENDER, SCHOOL AND SOCIETY	2 Hours	40	10	50
2	EDU 11 EDUCATIONAL THOUGHTS AND PRACTICE	2 Hours	40	10	50
3	EDU 12 CREATING AN INCLUSIVE SCHOOL	2 Hours	40	10	50
4	EDU13.1-13 PROFESSIONALIZINGEDUCATION*	2Hours	40	10	50
5	EDU 14.Additional Optional course-	2 Hours	40	10	50
	EDU 14.1.CHILD RIGHTS EDUCATION				
	EDU 14.2.ENVIRONMENTAL EDUCATION				
	EDU 14.3.EDUCATION FOR				

DIFFERENTIALLY ABLED
EDU 14.4. GUIDANCE AND
COUNSELING
EDU 14.5.HEALTH AND PHYSICAL
EDUCATION
EDU 14.6 MANAGEMENT IN SCHOOL
EDUCATION.
EDU 14.7.VALUE EDUCATION AND
PEACE EDUCATION

Total	200	50	250
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Assessment of Practical Courses

Practical Courses viz., School based, College based and Community-based Practical will be subjected to internal assessment through continuous evaluation. Comprehensive assessment of the College, School & Community Based Practical for Semester I (**EDU101, EDU102, EDU203**),for Semester II (**EDU 201.1 EDU 201.2 EDU 201.3 EDU 201.4 EDU 201.5**),for semester III(**EDU301,EDU302, EDU303EDU304**) and for semester IV (**EDU401, EDU402,EDU403.1, EDU403.2**)will be done internally by the teacher educators concerned on the basis of the criteria fixed for the purpose. For assessing student performance, Criteria / Performa based on rubrics have to be developed for each task by the Teacher Educators to make assessment objective. Internal assessment of Initiatory school experiences (**EDU 201.5**) of Semester II and Internship (**EDU 301**) of Semester III will be carried out by Optional teachers. The only one external assessment for the practicals is for **EDU 404** (Practical Examination and viva voce)

Pattern of Questions for End-Semester Examinations of Theory Subjects

End-Semester Examinations shall normally be conducted at the end of each semester. There are two types of theory examinations- 80 Marks-3 Hours Paper and 40 Marks-2 Hours Paper. There shall be one end-semester examination of **3 hours** duration in each *full weightage* theory courses and of **2 hours** duration in each *half weightage* theory courses. The question papers of end-semester examinations of theory subjects shall be able to perform achievement testing of the students in an effective manner. The question paper shall be prepared in accordance with the following guidelines

A question paper may contain very short answer type, short answer type /annotation, short essay type questions, essay type questions /long essay type questions depending on its duration and marks. Different types of questions shall have different weightage to quantify their range. The pattern of questions for theory subjects shall be as follows:

80 Marks-3 Hours Papers (for courses **EDU 01, EDU 02,EDU 07, EDU 08, EDU 05.1-13** and **EDU 09.1-13**) **should contain**

- a) **10** questions of **2** marks each= **20** (Answer 10 Questions out of 10)

- b) 10 questions of 4 marks each= **40** (Answer 10 Questions out of 12)
- c) 2 questions of 10 marks each=**20** (Answer 2 Questions out of 3)

(Maximum Marks: 80)

40 Marks-2 Hours Papers (for courses **EDU 03, EDU 04,EDU 06, EDU.10, EDU.11, EDU.12, EDU.13, 1-13 and EDU.14.1-7**) **should contain**

- a) 6 questions of 1marks each= **06** (Answer 6 Questions out of 6)
- b) 04questions of 2 marks each= **08**(Answer 04 Questions out of 04)
- c) 04 questions of 4 marks each= **16**(Answer 04 Questions out of 06)
- d) 1question of 10 marks =**10** (Answer 1 Questions out of 2)

Maximum Marks: 40

Minimum for Pass A separate minimum of 45% marks for external is required for a pass for a Theory course. However (a) A candidate who secures not less than 45% marks in a subject at the end semester examinations and (b) not less than 50% of the total marks assigned to the subject, shall be declared to have passed the examination in that subject. The total marks assigned to a subject in the above calculations are the sum of maximum marks assigned to the end-semester examination and maximum internal assessment marks of that subject. Hence Minimum marks for a pass in each theory course shall be 50% (marks obtained in internal and external evaluation put together). A candidate shall be declared to have passed the programme if s/he obtains not less than 50% of marks in each Theory courses, in each Practical course, in each EPC courses and Internship as well as 50% of the total marks assigned to the whole programme

A student who does not secure this pass marks in one or more subject/component will have to repeat the respective course. Candidates shall not be allowed to improve the grade already obtained. However cancellation and reappearance will be permitted.

If under any circumstances, a candidate fails in School internship, he/she may be permitted to repeat the School internship after the completion of Semester II with special permission from the University as long as the same scheme exists. It will be considered as a Second appearance in all respects.

Classification of Successful Candidates

No classification of results will be done during the first, second and third semesters. The classification of the results will be done after combining the marks of first, second, third and fourth semesters. The classification of results will be as follows.

(a) A candidate who qualifies for the degree, passing all the subjects of the four semesters, in 2 academic years after the commencement of his course of study and secures not less than 80% marks in aggregate of all the semesters shall be declared to have passed the B.Ed. degree examination in First Class with Distinction (b) A candidate who qualifies for the degree, passing all the subjects of the four semesters within 2 academic years after the commencement of his course of study and secures not less than 60% marks in aggregate of all the semesters shall be declared to have passed the B.Ed. degree examination in First Class. (c) All other candidates who qualify for the degree passing all the subjects of the four semesters and not covered at least (b) shall be declared to have passed the B.Ed. examination in second class.

Practical Examination and Viva Voce

Practical examination will be conducted in the 4th semester by an External Examination Board constituted by the university. The present practice of zonal boards is to be continued. The Zonal Board will consist of a Chairman, Subject expert for each Optional Paper. The subject

expert for the Optional Paper will conduct Practical Examination for the concerned Optional. The board shall observe and assess the teaching competency of all candidates for a maximum of 75 marks and conduct a Viva-Voce on the subject. Each student should attend the viva-voce on pedagogy of their subject (for 25 marks). There shall be no minimum for a pass in viva- voce. If the number of candidates in an Optional subject is more than 20, an additional examiner can be appointed. The University will constitute the required number of Zonal Boards to complete the Practical Examination in all centers in a duration of 8-10 days. Practical examination will be scheduled and carried out simultaneously in all the colleges and completed at least two months before the end of Semester IV to facilitate a smooth completion of academic programmes in the Colleges. The duration of the Practical Examination in an institution will be two days for an intake of 100 students. Additional days will be provided depending on the intake of the institution. A Co-coordinating Chairman will be appointed by the University who will co-ordinate the work of zonal boards. The Coordinating chairman has to randomly check the assessment of Zonal Boards and make corrections, if necessary. The final Mark List of Practical Examination has to be forwarded to the Controller of Examination.

Special Duties of the chairman of the Board

The Chairman of the External Board of Examiners shall also examine the products and documents related to all practical courses and tasks and assignments of all theory courses (as per list given in annexure I) of the 1st, 2nd and 3rd semesters of randomly selected students with a view to monitor the effectiveness of the carrying out of practicals which are internally evaluated. The Chairman of the Board of Examiners shall ask not less than 5% of the total students of the college to showcase the products and documents that have been internally evaluated in the college during the first three semesters. The chairman will assess the quality of work done in the college by physically examining the products and also through a viva voce of the selected students. He will not however see or manipulate the internal marks already given by the college in this regard. The Chairman of the External Board of Examiners will certify the standard of students’ work done in the college by giving a signed statement in this regard (as given in pro forma I) to the Controller of Examinations along with marks statement of the practical examination

Proforma- I

I
 Chairman of Board..... have verified the products and documents related to practical courses/
 tasks and assignments of randomly selected students of
 (Name of the College). I confirm
 that they are of EXCELLENT / HIGH / AVERAGE / BELOW AVERAGE / POOR standards.

Give the justification for your assessment in the form of bullet points.

Annexure

List of practicals

1. Products and documents of Tasks and Assignments that run through the theory courses 01-10

2. Products and documents of practical courses EDU101, EDU 102 , 103, EDU 201.1, EDU 201.2, EDU 201.3 , EDU 201.4, EDU 201.5 , EDU 201 , EDU301,EDU302, EDU303,and EDU304

OBJECTIVES OF THE TWO YEAR B. Ed PROGRAMME

The prospective teacher:

1. Understands and explores the meaning, need and significance of education
2. Understands the various perspectives on education.
3. Identifies and questions one's own long-established presumptions on knowledge, learner, teacher, and education, and develop a more informed, meaningful understanding of them.
4. Understands education in the socio-cultural context.
5. Familiarizes with the socio-political economic dimensions of Indian Society and appreciating its diversity.
6. Develops an understanding of the trends, issues, and challenges facing contemporary Indian Society.
7. Facilitates student teachers' understanding of the psychological basis of teaching and learning.
8. Understands the developmental processes and needs of children and adolescents and role of teachers in facilitating developments.
9. Understands the various theories of personality, factors affecting individual differences and the special problems of exceptional children.
10. Acquaints with the prominent theories of learning, retention, and transfer of training and the strategies to facilitate each one of these.
11. Familiarizes with the psychological principles underlying 'curriculum transactions, psychological testing, management and guidance and counseling.
12. Understands the essentials of assessment for learning, democratic education, school management, and physical & health education.
13. Helps them in understanding the relation between language, mind and society.

14. Develops a comprehensive and critical understanding on disability, marginalization and inclusive education.
15. Addresses the learning needs of all children, including those who are marginalized and disabled
16. Understands basic assumptions of ICT its scope in the area of teaching and learning.
17. Imbibes knowledge and develops an understanding of methods and strategies of teaching in Middle, High schools and Higher Secondary schools, and evaluating its outcome.
18. Acquires adequate knowledge of the content of the school subjects concerned, of middle, secondary and higher secondary classes.
19. Develops positive attitude to teaching profession and to the coming generation
20. Acquires the democratic and social values of an ideal teacher thereby to inspire his/her students.
21. Develops interest in facilitating learning and development and enjoys teaching and organizing curricular and co-curricular activities.
22. Readiness to accept the progressive changes in the field of education
23. Generates sensitivity towards local and global environment to emphasize living in
24. Harmony within oneself and with natural and social environment.
25. Recognizes the need of integrating and inculcating life skills and values in school Curriculum and its implementation.
26. Develops skills in dealing with the problems of maladjustment, indiscipline and learning disability.
27. Becomes capable in rendering counseling and guidance for the needy students.
28. Develops skills in planning, transacting and evaluating curricular contents of secondary and higher secondary classes.
29. Develops various sub skills and competencies in teaching and classroom management through microteaching.
30. Acquires skills in developing and using audiovisual devices and ICT for classroom teaching.
31. Acquires skills in discharging the duties of a competent teacher in the prevailing socio cultural and political system and to meet the challenges of the transforming society.
32. To acquaint with professionalization of teacher education
33. Attains a sound knowledge base and proficiency in language
34. Develops an artistic and aesthetic sense in children through art education
35. Learns how to make productive work a pedagogic medium for acquiring knowledge in various subjects, developing values and learning multiple skills
36. Helps student teachers discover and develop open-mindedness, the attitude of a self- motivated learner, having self-knowledge and self-restraint.
37. Helps student teachers develop the capacity for sensitivity, sound communication skills and ways to establish peace and harmony.
38. Develops the capacity to facilitate personal growth and social skills in their own students.
39. Enables student teachers to generate an understanding of the principles of yogic practices so as to improve quality of life.

40. Develop the ability to perform appropriate yogasanas so as to improve physical and mental conditions and emotional equilibrium.
41. Be sensitive to the social, professional and administrative contexts in which they need to operate
42. Identifies their own personal expectations, perceptions of self, capacities and inclinations
43. Learns about the requirements of professional work and makes contribution to the schools providing internship opportunity.
44. To be a professional and humane teacher

SEMESTER I

A .Theory Courses

EDU 01 - EDUCATION IN CONTEMPORARY INDIA

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To be familiar with the interdisciplinary analysis of concepts, ideas and concerns.
2. To describe the structure of Indian Society
3. To explain the relationship between various social structure

4. To familiarize with the socio-political economic dimensions of Indian Society and appreciating its diversity.
5. To explain the role of education in respecting diversities
6. To develop an understanding of the trends, issues, and challenges facing contemporary Indian Society.
7. To discriminate between formal, informal and non-formal agencies of education
8. To analyze the applications of general principles of various disciplines in the educational system
9. To discuss the recommendations of various commissions/ committees on different levels of education.
10. To describe various innovative approaches to realize the constitutional directives of public education in India.
11. To understand the relationships between specific political institutions, economic policies, and social structures in order to comprehend the achievements, persistent problems and challenges facing contemporary Indian society.

COURSE CONTENT

Unit I – Features of Indian society

- Concept of social diversity- diversity at individual level- regional diversities- diversity in language
- caste and class in Indian society- tribal groups in India and their diversities and anthropological features-racial diversities of Indian society
- physical diversities
- role of education in respecting diversities
- Analysis of case studies, educational statistics and field engagement with diverse groups
- Aspirations of Indian Society

(15 hours)

Unit II- Education and Contemporary India

- Education –fundamental understandings- meaning, definitions, functions and aims
- nature of education as a discipline
- types of education formal, informal and non-formal
- levels of education- pre-primary, primary, secondary, senior secondary, higher, professional, distance and optional education
- Inter disciplinary nature of education- philosophy, psychology, sociology, anthropology, politics, history- Role of education in respecting diversities.

(15 hours)

Unit III – Evolution of Education in India

- A brief history of education in ancient and medieval India- Gurukula education, Sangas and Viharas, Nalanda , Taxila, universities, Maktabas and Madrasas- patronage of learning under Gupta, Mauryas and Mughals
- colonial policy of education Macaulay’s minutes, woods dispatch- oriental and occidental controversy, colonial critique of education- nationalistic education,
- experimentation with alternatives, basic education (Nai Talim)integration of life, work and education.

(20 hours)

Unit IV – Constitutional safeguards of education

- Constitutional vision of independent India: then and now - Preamble of the constitution- Rights and Duties of Indian citizen - directive principles of state policies
- Constitution and Education - Concurrent status of education.
- Constitutional values related to aims of education, freedom, justice, equality and fraternity.
- Concepts of inequality, discrimination and marginalization - Constitutional provisions related to the issues of inequality, discrimination marginalization and education.

(10 hours)

Unit V – Policy framework of Public Education in India

- Historical background of current issues of education such as UEE, women education, education of Dalits and Tribals, medium of instruction, multilingual education, financial allocation, plebianisation, LPG and social stratification
- Recommendations of different policy frameworks- Kothari commission- NPE 1986- review committees on NPE- pedagogic and curricular shifts of 1990s and 2000- SSA, RMSA, Right to Education Act-2009, NCF 2005, NCFTE 2009.
- Transcending caste, class and gender through different programs and policies- SSA, RMSA, RTE Act, NCF 2005, NCFTE 2009-mid-day meal and other legal provisions.

(25 hours)

Unit VI – Education in Contemporary Kerala society

- Evolution of education in Kerala- Salas, Budha viharas, Othupallis, Kalaries, Kudi Pallikoodam, Madrasas- role of Christian missionaries in education
- educational renaissance in Kerala in the 20th century- Sree Narayana Guru, Vakkom Abdul Kadir Moulavi, Chattambi Swamikal, Ayyankali.
- Education after formation of Modern Kerala- KER- Kerala Development Experience and Education- Curricular shift in Kerala after 1990s.

(15 hours)

TRANSACTION MODE

Lecture method, Seminars, Small group discussions Field survey/visit, Brainstorming sessions, Projects

TASKS AND ASSIGNMENTS

1. Visit an institution having more than 50 years of history and study its development and present report
2. Study on the usefulness of government sponsored program and policies in the locality of the students OR
3. Conduct a field visit to understand the social and cultural diversities and prepare a report

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EDU 02- DEVELOPMENT OF THE LEARNER

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

To enable the prospective teachers to

1. understand the process of development; developmental aspects, stages, factors influencing development, developmental tasks, developmental needs and hazards
2. acquire theoretical perspectives regarding development
3. develop a sensitivity and positive attitude towards the major socio-cultural issues affecting development.
4. develop skills in observing, analyzing and adopting appropriate strategies to deal with developmental problems and hazards
5. familiarize about the research strategies and approaches to study the socio- cultural and political issues pertaining to development.

COURSE CONTENT

Unit I

Basic concepts about development

- Concept of growth and development, biological and socio-cultural aspects of development.
- factors affecting development-development as a result of interactions between individual potential(innate, acquired) and external environment(physical, socio-cultural, ecological, economic and technological)
- Principles of development
- Aspects of development: physical& motor, cognitive, emotional, social, moral and language development. Inter relationship between different aspects of development
- Stages of development

(10 hours)

Unit II

Dimensions of development across different stages

- Physical and motor development: characteristics, influences
- Cognitive development: characteristics, influences, theories of Piaget and Bruner
- Development of emotions, attitudes values- stages of psycho-sexual development
- Social development: influence of parents, family, peer group-identity crisis- Erikson's theory of psycho social development
- Moral and ethical development: concept of morality, Kohlberg's theory
- Language development: LAD, theory of Chomsky and Vygotsky, development of speech-speech defects

(20 hours)

Unit III

Tasks and hazards of development

- Developmental needs of various stages
- Developmental task: concept, tasks of each stage
- Developmental hazards

(5 hours)

Unit IV

Adolescence in the milieu of present socio- cultural complexities

- Adolescence- problems and complexities
- Family influence- Broken family, parenting style, changing family structures, Peer influences loneliness
- Influence of social media, Cybercrimes and related problems
- Substance abuse, Depression, suicidal tendencies
- Gender related problems
- Information overload
- Remediation of adolescent problems in the present socio- cultural complexities- role of teachers

(15 hours)

Unit V

Personality and adjustment

- Personality: concept, definitions
- Approaches and theories to study personality: trait approach- theories of Allport, Eysenk and Cattell, Freud's theory of personality, Humanistic approach- Maslow and Rogers - characteristics of mature personality
- Measurement of personality
- Transaction Analysis, NLP
- Adjustment and maladjustment
- Mental health and mental hygiene - concept and importance, role of teacher in promoting mental health
- Mental disorders - classification DSM

(25 hours)

Unit VI

Uniqueness of the individual

- Areas of individual differences- role of heredity and environment
- Intelligence: concept- definitions- Theories of intelligence- Spearman, Guilford - Theory of multiple intelligences - Theory of Emotional intelligence
- Creativity-meaning and nature- identification of creative learner- process of creativity- teacher's role in fostering creativity
- Interest, attitude and aptitude - basic concepts, definitions and measurement
- Understanding exceptional learners- categories, identification, characteristics, educational provisions
- Learning disability(LD)- Dyslexia, Dysgraphia, Dyscalculia, ADHD
- Educational provisions for learner diversities

(25 hours)

TRANSACTION MODE

Lecture method, Seminars, Small group discussions, Field survey
Brainstorming sessions, Case study, Projects
Video viewing and power point presentations, Peer learning

TASKS AND ASSIGNMENTS

1. Identifying problem behaviour in children of elementary/secondary classes and preparing a case study report.

2. Administer any one standardised psychological tool to primary/secondary school students to identify individual differences among learners.
3. Conducting survey regarding incidence of drug menace, sexual abuse, cybercrimes and other social problems among school children and making action plan for remediation.

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EDU 03 - SCHOOL ORGANIZATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To develop understanding about the concept and scope of educational management
2. To familiarize the school organization
3. To develop skills in preparing time table
4. To acquaint with the concept of institutional planning
5. To understand the structure and functions of SMC
6. To understand and appreciate TQM
7. To understand the Importance of health and physical education in the teacher education programme
8. To create awareness about life style diseases.
9. To understand the importance of the yoga and its benefits
10. To create awareness about first aid.
11. To create awareness about food and nutrition and its importance in human life

COURSE CONTENT

Unit I

Educational management

- Concept - Need, scope and functions of management - Characteristics of democratic institutional climate
- Organisational process in school - HM/Principal as a leader - Duties and responsibilities of HM
- Performance Appraisal - meaning and importance - performance appraisal of Teachers.

- Importance of essential records - Admission Register - Attendance Register for Staff & students - Stock Registers - Acquittance .Teaching Manual – Student Profile - Cumulative Record - Service Book

(15 hours)

Unit II

Institutional planning

- Institutional Planning - Meaning and Importance - School Management Committee (SMC) – School Development Plan - Functions of staff council and student council.
- Timetable - Types and Principles of timetable construction.
- Total Quality Management (TQM) – Concept and Scope.

(10 hours)

Unit III

Organizing physical and health education activities at schools

- Concept of physical education ,meaning and definition, aims and objectives, needs and importance
- Concept of health, aim and objectives of health education and health instruction in schools, importance of health education in teacher education programme, physical fitness and wellness, Types and components of physical fitness, physical fitness tests based on components
- Physical activity and exercise , Exercise and safe heart rate
- Hypo kinetic diseases and its management -Obesity, diabetes, hypertension, osteoporosis, coronary heart disease , back pain
- Importance of good posture, common postural deformities,

(15 hours)

Unit IV

First aid, nutrition and yoga education in schools

- Food and nutrition: Nutritional balance, Caloric values , caloric requirements and energy expenditure
- Principles of first aid, CPR, first aid and emergency care in various situations- Electric shock, burns, drowning, accident, poisoning, heart attack and epilepsy
- First aid for Common injuries: head injuries , different wounds, sprain ,strain ,dislocation and fractures
- YOGA education-Meaning and definition ,history and types of yoga, benefits of yoga, general guidelines for yogic practices and misconceptions about yoga, ,importance of asanas and pranayamas, yoga and stress management

(10 hours)

TASK AND ASSIGNMENTS (Any one)

1. Prepare a questionnaire for HMs for collecting data regarding his/her difficulties in performing duties and responsibilities
2. Prepare a sample master time table for secondary school
3. Assessment of Health related physical fitness (Any two variables)

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Bhatnagar, RP and Agarwal, V (1986) Educational Administration and Management, Bhatnagar, S.S. , & Gupta , P.K. (2006). Educational Management. Meerut: Lall Book Dept.

Buch, M.B, Institutional Planning for Educational Improvement and Development, Chaube A Chaube. (2003). School Organization, New Delhi: Vikas

Chaudhary, N.R. (2001). Managements in education. New Delhi: APH.

Dr A Abdul Latheef, Dr A.M Antony and et al, Introduction to physical Education for Training colleges; Educare Printers and Publishers, 2009

Hardayal singh PhD, Science of sports training, DVS Publication New Delhi, 1995

J C Aggarwal, health and physical education, Shipra Publications

Light on Yoga, Iyenkar, BKS, Harper Collins: Noida, 2011

Macnee, E.A. (2004). School Management and methods of teaching. New Delhi: Sonali.

Mohanty, J. (1990). Educational Administration, supervision and school management. New Delhi: Sonali

Nair TKD. (2004). School Planning and Managements. A Democratic Approach. Delhi: Choudhari offset Process.

Noll Victor H, (1957). Introduction to educational measurement. USA: Cambridge Mesachusetts.

Sidhu, K.S. (2007). School organization and administration. New Delhi: Sterling.

Sindhu, I.S. , & Gupta, S. (2005). School Managements and pedagogies of education. Meerut. International.

EDU.04.UNDERSTANDING DISCIPLINES AND SUBJECTS

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To enable student teachers to reflect on the role and significance of school of subjects
2. To acquaint with the history of teaching of different subjects in school.
3. To understand the nature and classifications of academic disciplines
4. To analyse socio political and cultural interventions upon disciplines and subjects.
5. To explore new emerging areas in academic disciplines and their causes.

COURSE CONTENT

Unit 1

School subjects

- Major school subjects – languages, social sciences, mathematics and sciences.
- Reasons for including different subjects –
 - languages – Language related skills/communication skill.
 - Social Sciences - Understanding Social environment, citizenship. Historical mindedness, economic efficiency etc.-
 - Science – development scientific attitude and temper, critical thinking, technical skills.
 - Mathematics – Problem solving, Reasoning abilities etc.

(10 hours)

Unit 2

Academic disciplines

- Meaning, definition and concept of academic discipline- Nature of discipline: discipline specific terminologies, method of inquiry, publications, experts and fraternity etc-
- differences and relationship between school subjects and academic discipline
- disciplines-classifications of disciplines (Biglan Model): soft Vs Hard, Pure lifeVs pure-Non-life, Applied life Vs Applied Non-life.
- Disciplinarity- disciplinary Interdisciplinary and multidisciplinary

(14hours)

Unit 3

Nature of different school subjects and their evolution

- History and nature of Languages.
- Subject nature and Subject history of Mathematics
- Subject nature and Subject history of Sciences.
- Subject nature and Subject history of Social Science

(14 hours)

Unit 4

Emergence of new disciplines

- Reasons for the establishment of new disciplines- changing social, political scenario, new researches and inventions- specialisations, interdisciplinary approach, inclusion of work related areas etc.
- Emerging subjects (Disaster management, Nano technology, Gemmology, Bio informatics, Immunology etc.)

(12 hours)

MODE OF TRANSACTION

Lecture, Discussion, Seminars, Assignments

TASKS AND ASSIGNMENTS

1. Select a topic from school subject and sketch the development the topic into an elaborated form in a discipline
2. Identify any 5 interdisciplinary subjects and list out their chief characteristics

References

- Deng, Z (2013), School subjects and academic disciplines. In A Luke, A woods & K weir (Eds.), Curriculum, Syllabus design and equity: A primer and model. Routledge.
- Hodson (1987), Science curriculum change in Victorian England: A case study of the Science common things in I Goodson (Ed). Inter National perspectives in curriculum history, Croom Helm.
- Ivor F. Goodson and Colin J. Marsh, Studying school subjects, A guide (1996),Routledge.
- Maisnam, P, Lanka, S, K. & Gandhi, A.(2016). Understanding Disciplines and subjects. Meerut. Vinay Rakheja
- Makol, R & Makol,L. (2015). Understanding Disciplines and subjects. Bookman
- Pande,R.(2015) Understanding Disciplines and subjects. Lall book depot

OPTIONAL COURSES

EDU 05.1.THEORETICAL BASES OF TEACHING ARABIC

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To familiarize the Student teacher with the functional aspects of teaching and learning and the divergent roles expected to be an Ideal Teacher
2. To acquaint the Student Teacher with the meaning , nature and characteristics of language
3. The student teacher Grasps knowledge about the nature and scope Arabic Language and its status in the present day world.
4. Develops the ability to apply theories related to Language teaching
5. Develops Knowledge of acquisition of basic language skills
6. Familiarizes with techniques of teaching language skills
7. Familiarizes with traditional approaches and modern methods of language teaching
8. Updates Knowledge of current approaches and methods
9. Familiarizes with the modern strategies of language teaching and learning
10. Develops the ability to choose the most suitable strategies for classroom teaching

Unit 1

General introduction to teaching and learning Arabic

- Language Learning : Perspectives
- Teaching and Learning : its nature and significance
- Teaching as an art and science
- Learner and Teacher
- Inter dependence of Teaching & Learning.
- Maxims of Teaching
- Changing concept of Teaching, learning , classroom environment; CWW (classroom without walls), VLE (Virtual Learning Environment.)
- Competency Based Language Teaching (CBLT)
- Language teacher competencies

(10 hours)

Unit II

Arabic language education

- Language :meaning &definitions, characteristics and functions
- Language and Culture
- Basic Concepts: Morphology, Phonology, Syntax, semantics.
- First Language, Second Language & Foreign language
- Arabic as a Second language & foreign Language
- Nature and Scope of Arabic Language
- Need & Significance of Arabic Language teaching and learning
- Problems of learning Arabic as a second language

(15 hours)

Unit III

Global trends in arabic language education

- Position of Arabic Language in the present day world
- Arabic language education in Kerala
- Pedagogic practices of Arabic Language in speaking / non speaking countries
- Critical study of teaching and learning Arabic in Kerala

(15 hours)

Unit IV

Language acquisition

- Language Skills: LSRW
Receptive skills & Productive skills
Listening skill ; Significance of listening
Speaking skill :Importance of speaking, Pronunciation
Reading skill: Importance of reading skill
Loud Reading, Silent Reading
Intensive reading, Extensive reading
Skimming and scanning
- Writing Skill: Importance of writing skill

- Types of writing, Characteristics of good handwriting
Creative writing
 - Reference & Study Skills: Dictionaries & encyclopedias, Online references
- (15 hours)**

Unit V

Theories of teaching Arabic language

- Application of Psychological Theories & Principles :
Behaviourism, Cognitivism, Constructivism, Social constructivism,
Chomskyan Concept :(LAD &
Universal Grammar),
- Teaching Skills: Pre teaching skills and post teaching skills
- Core skills in teaching : stimulus variation, introducing ,explaining, questioning,
response management,
- Practicing teaching skills :
- Micro Teaching: Principles and definitions ,Micro teaching cycles, Link practice
- Preparing of Micro Teaching Lesson Plans

(20 hours)

Unit VI

Approaches, methods & techniques

- Traditional and Modern Methods :
Grammar Translation Method, Bilingual Approach, Direct Method, Structural
approach,
Communicative Approach, Eclectic Approach, Play way Method, Project Method
Role play, Dramatization, Narrative strategies
Discourse based language learning, Learning by doing, Activity Based Teaching and
Learning
- Approaches Methods of teaching Language elements:
Inductive and deductive methods, Functional and formal grammar
- Approaches, Methods & techniques and of teaching Language skills:
Listening Skill, Speaking skill
Developing speaking & Listening Skill,
Causes of bad pronunciation, Techniques for teaching good pronunciation
Methods and techniques of teaching reading
Methods and techniques of teaching Writing,
Techniques of teaching writing, Dictation, Creative writing, Editing Process
- Modern Strategies in language teaching & learning
Collaborative Learning & Co-operative Learning
Workshop, Seminar, Symposia, Debates
Video conferencing
e-learning, Blended Learning, Virtual Learning
e-tutoring, Discourse based teaching and learning

(25 Hrs)

MODE OF TRANSACTION

Lecture, Reading and reflection, discussion, seminar, debate

TASK AND ASSIGNMENTS

1. Conduct a Seminar on any of the theories related to Arabic language Teaching (ALT) with Power Point presentation.
2. Critical analysis of any methods related to Arabic Language Teaching and submission of it as an online assignment.

REFERENCES: (For I,II and IV Semesters)

1. Al Muallim al Najih:, Dr. Abdullah al Amiri, Dar al shamil Al Nashir wa thouzeea'
2. Thatweeru Adai -al Muallim; kifayathu thaaleem wa thahleel al muthawasila : Hashim Uwaidha, Dar al Ilm al Malayeen , Labanan
3. Thaaleemu al lughal arabiyya baina nadriyya wa thathbeeq: Dr Hasan Al Shahatha, Dar Misriyya wa llubnaniya
4. Mushkilathu thaaleemu llughal Arbiyya: Abbas M ahmood ; Dar alsaqafa, Qatar
5. Thareeqathu Thadreesi Wa stratejiyyathuhu: Dr Muhammed Mahmmud al Haila, Dar Al Kitab Al Jamia, Al ain, UAE
6. Al Mawajja Al Fanni
7. "Thuruqu thadreesu lluathil arabiyya[1996]"Dr jodath arrukabi dimascus : darul fkr
8. "Ilmu nnafsi tharbaviyyi" Dr abdul majeed nashvathi : muassasathu rrisalath
9. "Models of teaching" Bruce choice and marsha veil prentice hall;New Delhi
10. "Txonomy of Educational objectives " Bloom Benjamin :BOOK1 the cognitive domain David me kay Co inc New York
11. "Teaching language as communication" Widdoson H(1978); Oxford university press .
12. "Language teaching and Bilingual Method" Dodson CJ (1967) Pitman: New York

EDU 05.2- THEORETICAL BASES OF TEACHING ENGLISH

Contact Hours: 100 (Instruction)
Internal: 20)

Maximum Marks: 100 (External: 80,

COURSE OBJECTIVES

- To be competent in pedagogic knowledge and teaching skills in English Language.
- To familiarize the feature of English language and its place and importance in Indian context.
- To familiarize the principles of teaching English and enhance language skills.
- To review the basic structure of English language.
- To understand the aims and objectives of teaching English at different levels.
- To understand the core teaching skills and implement them in classrooms.

- To understand the application of various theories of language learning .

Unit I

Objective

To familiarize the feature of language, place of English language and its importance

Language

Language – meaning and definition, role , characteristics

Learning and acquisition

First language and second language

Place of English in the Indo –European family

Role of English in the present scenario/English as an international link language

10 hours

Unit II

Objective

To review the basic structure of language

Graphical structure of language

Structure of language, Phonetics - speech sounds - vowels , consonants, diphthongs, Phonemes, Morphemes, Allomorph, Syntax, Semantics, General Indian English , Received pronunciation, stress, intonation

Review of the grammatical aspects of English language

Functional grammar, Structural grammar, transformational generative grammar

(Include all grammatical items)

Mechanics of writing -punctuation marks and capitalization

10

hours

Unit 111

Objective

To understand the aims and objectives of teaching English at different stages

Aims and objectives of teaching English

Aims at junior stage, senior stage, secondary and university stage

Aims of teaching literature - general and specific aims

Taxonomy of educational objectives -- learner objectives and learning objectives-process objectives and product objectives

Maxims of teaching in Global context

Principles of language teaching - (Principle of purpose, Principle of habit formation, Principle of motivation, Principle of multiple line of Approach, Principle of interest, Principle of concreteness, Principle of selection and gradation, Principle of accuracy and correctness, Principle of teaching, Principles of philosophy, Principles of psychology, Principles of linguistics) **15 hours**

Unit IV

Objectives

To understand the application of various theories of language learning

Psychological theories on Language

Behaviourism, Constructivism, Social Constructivism, Theory of Multiple Intelligence, Language Acquisition Device- Noam Chomsky, CBLT, CLL, Krashen.

(20 hours)

Unit V

Objective

To familiarize the principles of teaching English and the four fold language skills

Teaching of English

Principles of teaching English

Four fold language skills:listening, speaking, reading, writing-their types and how to enhance and evaluate these skills, study skills or reference skills, English as a skill subject and content subject.**15 Hours**

Unit V1

Objective

To have knowledge about types of vocabulary and techniques to develop; methods of teaching vocabulary, functions and pronunciation

Vocabulary

Vocabulary –types, techniques to develop, use of dictionary, language games
Functions and their structures, pronunciation

10 hours

Unit V11

Objective

To understand the core teaching skills and implement them in classrooms

Micro teaching

- Micro teaching – meaning and definition -features -steps or process in micro teaching-micro teaching cycle -merits and demerits
- Core teaching skills (8) -their components - integration of skills or link practice

20 hours

MODE OF TRANSACTION

Lecture method, discussion, seminars, symposium, IT based learning, blended learning, community participation

TASKS AND ASSIGNMENTS

1. Reading recent literary works or films and Preparation of a review
2. Preparation of manuscript magazine and dictionary

REFERENCES (For I , II and IV semester)

Arnold, (1986): An Introduction To Functional Grammar Halliday, M.. London

Bhattacharya, Indrajit (2002). An Approach to Communication Skills. New Delhi: Dhanpat Rai & Co. Books

Bloom, B.S. (1971). Handbook on Formative and Summative Evaluation of Student Learning. USA: McGraw Hill, Inc.

Doff, Adrian. (1988). Teach English: A Training Course for Teachers. Cambridge: Cambridge University Press

Ellis, Rod. (1990). Integrated Second Language Acquisition. Massachusetts: Basil Blackwell Inc.

Heaton, J.B. (1988). Writing English Language Test: A Practical Guide for Teachers of English as a Second for Foreign Language. UK: Longman Group.

Nunan, David (1989). Syllabus Design: Language Teaching. Oxford: Oxford University Press.

Richards, J., & Rogers, T.. Approaches And Methods In Language Teaching Cambridge: Cambridge University Press

Roberts, Michael and Carol Griffiths. Errors Correction And Good Language Learners Cambridge Language Teaching Library

Sharon, A.R & Trina, L.V (2008) Constructivist Strategies for English Language learners. Crown press, USA.

Tickoo, M.L. (2004). Teaching and Learning English: A Source Book for Teachers and Teacher Trainees. New Delhi: Orient Longman.

Ur Penny and Andrew Wright (1992). Five Minute Activities: A Resource Book for Language Teachers. Cambridge: Cambridge University Press.

Accompanied by Audio Cassettes

Getting on In English by John Haycroft (The BBC Intermediate Course).

Choosing Your English by John Haycroft & Terence Creed (The BBC Course for Advanced Learners).

Keep Up Your English by W. Stannard Allen (The BBC Course).

Advanced Spoken English through English Grammar and Simple Phonetics by Sharad Srivastava & Nidhi Srivastava (Franklin International).

A Text Book of Pronunciation of English Words by J. Sethi & D.V. Jinde.

EDU.05.3.THEORETICAL BASE OF TEACHING HINDI

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To familiarize the nature of language
2. To familiarize the constitutional provisions on languages in India
3. To give an insight into the development of language in the present school curriculum

4. To make aware of the development of Hindi language
5. To provide insight into the different forms of Hindi language in India
6. To familiarize the need and importance of Hindi language in growing globalization context.
7. To understand the importance of Hindi language in the communication
8. To discover and understand the challenges in Hindi teaching and learning
9. To familiarise instructional objectives of Hindi
10. To practice and acquire teaching skills
11. To Familiarize with various forms of discourses for language learning.
12. To familiarize with various resource materials media and technology for Hindi teaching

COURSE CONTENT

Unit I

Background of language

- Nature and role of language in the present society.
- Role of language in modern Indian society with special reference to the social media impact.
- A comparative analysis of the place of languages in different curriculum exists in Kerala state.
- Constitutional provisions article 343-351
- Recommendations of various educational commissions in India – Kothari commission 1964-66, National education policy 1986, National curriculum frame work 2005

15 Hours

Unit II

Status and background of Hindi language

- A comparison of Hindi language in pre and post independent period.
- Forms of Hindi language
- Status of Hindi language
- The place of Hindi in school curriculum in the context of three language formula
- Multilingualism in India, Hindi as a link language, National language and official language.
- Scope of Hindi in International level.
- Scope of Hindi in Kerala.
- Problems and difficulties faced by Hindi teachers in handling Hindi.

10 hours

Unit III

Instructional objectives and micro teaching skills

- Instructional objectives of Hindi with Blooms taxonomy
- Constructivist format and issue based curriculum.
- Micro teaching – theory and practice.---

15 hours

Unit IV

Curriculum, content and text book analysis

- Construction and organization of Hindi curriculum
- Difference between curriculum and syllabus.
- Critical analysis of text books and handbooks in Hindi prescribed at secondary school level from a pedagogic view point.
- Content analysis – competency in subject matter and identify the additional knowledge required to teach the content.

20 hours

Unit V

Discourse oriented learning

- Aims, importance, types and methods of teaching prose,
- Aims, importance, types and methods of teaching poetry,
- Aims, importance, types and methods of teaching composition, drama, story and grammar.

10 hours

Unit VI

Instructional support

- Resource materials in teaching Hindi – syllabus, text books, workbook, handbooks, reference books, journals etc.
- Learning and teaching aids
- Media supported learning – web based learning and social media.
- Library and its organization.
- Organization of field trips and study tour with their importance.

10 hours

MODE OF TRANSACTION

Lecture, Reading and reflection, discussion, seminar, debate

TASKS/ ASSIGNMENTS (any two of the following)

1. Prepare report on the difficulties faced by students in reading and writing Hindi languages in two neighbouring schools.
2. A comparative analysis of the place of languages in different curriculum exists in Kerala state.
3. Observation and reporting of real class room situation and mock practices.
4. Preparation of power point presentation for teaching Hindi

REFERENCES (For I,II and IV Semester)

1. Acharya Chatursen, Hindi Sahitya Ka Parichay
2. Acharya Nandu Dulare Baj Peyi, Hindi Sahitya Ka Samshipthalithas
3. Acharya Sitharan Chaturvedi, Bhasha Ki Shiksha
4. Dr. G.C. Bhattacharya, Adhyapak Shiksha, Vinod Pustak Mandir, Agra
5. Dr. Bholanath Tiwari, Hindi Bhasha Shikshan
6. Dr. Satyanarayan Dube, Shikshan Vidhiyam Aadhar bhhoth Thatv
7. Dr. Shailendra Bhooshan, Shikshan Adhigam Ke
8. Bhai Yogendrajith, Hindi Bhasha Shikshan, Agrawal Publications, Agra
9. Dharendra Varma, Hindi Bhasha Aur Lipi
10. Dinesh Chandra Bharadwaj, Basic Shiksha Manovigyan, Agrawal Publications, Agra

11. DurgeshNandini,HindiShikshan,Sumith Enterprises
12. Prof.GaneshPrasesSidha,BhashaShikshanNidhi
13. Kamatha Prasad Guru, Hindi Vyakaran
14. Dr.K.P.Pandey,ShikshamemKriyatmakAnusandhan
15. Dr.S.S.Mathur,Shikshan Kala Eevam Naveen Padhathiyam,
AgrawalPublications,Agra
16. Dr.S.N.Mukherji,RashtraBhasha Ki Shiksha
17. Dr.Nareshsharma,Shikshan Ki Avasthayem.VigyanBharathi,Gaziabad
18. Dr.RamshaklPandey, Hindi BhashaShikshan
19. Dr.SreedharanandaMukherji,RashtraBhasha Ki Shiksha
20. Dr.SitaramJaiswal,MahendraPalSharma,ShikshaKeThatwikSidhanth
21. P.D.Patak,ShikshaManovigyan, AgrawalPublications,Agra
22. P.G.Kamath,AnyabhashaShikshanEakBhashaVaigyanikDrishti
23. RaveendranathSreevastav,BhashaShikshan,VaniPrakashan,New Delhi
24. K.M.Siva Ram Sharma,HindiShikshan Kala
25. Sadde,RashtraBhashaKaAdhyapan
26. B.L.Vats, Hindi Shikshan, AgrawalPublications,Agra
27. DevanagariLipiTadha Hindi Varthani,Kendriya Hindi Nideshalay,Hindi
28. RashtraBhashaBharathi (Patrika),GrihaMantralay,BharatSarkar

EDU 05.4. THEORETICAL BASES OF TEACHING MALAYALAM

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

The teacher candidates are to

1. develop attitude towards Malayalam language
2. understand the principles and theories of language teaching
3. analyse four-fold language skills
4. get acquainted with methods, techniques and strategies that could be applied in the teaching of Malayalam
5. get acquainted with principles/concepts of curriculum construction

COURSE CONTENT

Unit –I

Significance of mother tongue

- Functions of language in a society
- Relevance of Mother tongue in a democratic society
- Mother tongue as a medium of thought and communication of ideas, emotions and experiences
- Mother tongue as a medium of instruction

- Mother tongue as an official language
- Importance of folklore in language development
- Language is a tool for cultural and social development

(12 hours)

Unit- II

Aims and objectives of teaching Malayalam

- Aims of teaching Malayalam
- Objectives of teaching Malayalam at secondary and higher secondary level
- Objective based instruction
- Instructional objectives of teaching Malayalam
- Blooms taxonomy and Revised Blooms taxonomy
- Objectives and Specifications
- Objectives framed by NCERT
- Mental process skills in Malayalam teaching

(25hours)

Unit-III

Language skills

- Listening- Listening with comprehension as the most important and primary language skill
- Types and methods of teaching to listen
- Different activities for developing listening skills
- Speaking - Aims and importance of Oral work
- Different activities for developing Speaking skills.
- Teaching pronunciation- problems of pronunciation
- Reading- Importance and methods of teaching to read
- Types of reading
- Writing – importance of writing
- Different methods of writing
- Characteristics of good handwriting
- Errors in writing
- Ways to minimizing spelling errors in children

(20 hours)

Unit- IV

Principles of language teaching and micro teaching

- General principles of language teaching
- Gradation in language teaching
- Maxims of language teaching
- Teaching skills-Core teaching skills and its components
- Micro teaching- Meaning and definition
- Procedure of micro teaching
- Integration of teaching skills
- Merits and Demerits of micro teaching

Unit VI**Malayalam curriculum**

- Meaning and definition
- Principles of curriculum construction
- Different approaches of organizing curriculum
- Modern trends in curriculum construction
- General approaches on language learning in NCF and KCF.

(12 hours)

MODE OF TRANSACTION

lecturer and discussion method, seminar, Assignment method

TASKS AND ASSIGNMENTS

1. Preparing Language games for teaching language skills
2. Prepare scrap book on Kerala folk art forms with a brief description.

REFERENCES (For I II and IV Semester)

- Allen,D & Ryan, K (1969). Micro teaching. London: Adison Wesley
- Bindhu,C.M(2nd Ed.)(2009). Mathrubhashabhodhanam: Pravanathakalum Reethikalum. Calicut: Scorpio Bloom.B.S.(1956). Taxonomy of Educational Objectives: cognitive domain, New York: David Mckay Co. Brooks,N(1964). Language and language learning: Theory and practice, New York:Harcourt, Brace &world, Inc
- Chomsky,N (1975). Reflections on Language. New York:Random ouse.
- Dale,(1961). Audio visual methods in teaching, New York: Holt Rinehart & Winston
- Ebel,L.& Frisbie,A.(1991). Essentials of educational measurement. New York:McGraw Hill.
- Entwistle,N.J.(1981). Style of learning and teaching. London: John Wiley & Sons Fosnot,C. (1996).Constructivism: theory,perspectives and practice.Newyork:Teachers College Press.
- Gren,G.H.(1987).Planning the lesson.London: Logman
- Gronlund,N.E(1970) Stating Behavioural objectives for class room instruction.London: MacMillan
- Joyce, B & Weil, M (2003). Models of Teaching(5th Ed.) New Delhi.Prentice hall
- Kumar ,S.P.K & Noushad.P.P(2nd Ed.) (2009). Social studies in the class room: Trends & methods, Calicut: scorpio
- Kumar,S.P.K & Bindhu C.M.(2002) Instructional Learning Strategies and Cognitive Entry Behaviour-An Experimental Analysis. Kanishka Publishers: NewDelhi.
- Lado,R (1979). Language teaching- a scientific approach.New York: McGraw Hill INC
- Lee,W.R(1972). Language teaching games and contexts. London: Oxford University press.
- Mayer,R.E(2003). Language and instruction, Upper Saddle River. Pearson education
- Nair, Chandrashekharan,C.K(2002) Mathrubhasha Bhodhanam. Trivandrum. Kerala bhasha institute. NCERT(2005)National Cruiculum Framework.New Delhi:NCERT
- SCERT(2007),Kerala Curriculum Frame work.Trivandrum:SCERT
- Passy,B.K(Ed)(1976). Becoming better teacher: A micro teaching approach. Ahmadabad
- Pillai,P.E(1991) Malayala bhasha bhodanam.Kerala:chris printers kottayam.
- Sivarajan,k & Sreemannuni,P.S.(2003) Malayalabhashadhyapanam.Central cooperative stores,Calicut university.

Variyar, Prabhakaran, K.M & A. Santha (1998). Modern linguistics, Trivandrum: Kerala Bhasha Institute.

Ucharanam nannavan, Dr. VR Prabodhachandran, Kerala Bhasha Institute

Vidyabhyasa Parivarthanattinoru Amugham, Kerala Shaasthrasaahitya Parishad

Vidhyabhyasathil Viplavam, Osho, Silence, Kozhikkode

Vidyabhyaasa chinthakal, Asis Tharuvana, Olive, Kozhikkode

Nalla Malayalam, CV Vasudeva Bhattathiri, DC Books, Kottayam

Nammude Bhasha, EMS Namboothiripad, Kerala Bhasha Institute

Parivarthanonmugha Vidhyabhyabyasam, Guru Nithyachaitanya Yathi, Narayana Gurukulam, Varkala

Kuttikale Padanathil Sahayikkam, PK Abdul Hammed Karassery, DC Books, Kottayam

Malayala Bhasha Bodhanam, CV Vasudeva Bhattathiri, Kerala Bhasha Institute

Engane Malayalattil Blogam, Baburaj PM, DC Books, Kottayam

EDU.05.5.THEORITICAL BASES OF TEACHING SANSKRIT

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the historical development of Sanskrit
2. To develop teaching learning skills
3. To understand the methods for teaching Sanskrit
4. To understand about the various co-curricular activities related to Sanskrit teaching

COURSE CONTENT

Unit I

Sanskrit language

- History of Sanskrit- its influence in Indian languages, World language, classical language, Sanskrit and various sciences, Ancient Indian philosophy and Sanskrit
- Development of Sanskrit education in India-
- Reports of first Sanskrit Commission.
- Krishnawarrier Committee, Second Sanskrit commission

25 Hours

Unit II

Language skills

- Teaching skills and Micro Teaching
- Skills of learning and teaching- basic language skills-L.S.R.W
- Skills of reception, Expression Appreciation, Teaching skills-Micro teaching

20 Hours

Unit III

Methods and approaches of teaching

- Methods of teaching Sanskrit
- Ancient- Gurukula. Direct
- Medieval- Bhandarkar- text book

- Modern- Behaviorist, Constructivist- social constructivist, Critical Pedagogy
- Models of teaching- Concept attainment, Advance organizer
- Inductive Deductive Approaches

30 hours

Unit V

Co-curricular activities in sanskrit

- Co-curricular activities in Sanskrit
- Samskrutholsava- day celebrations- Manuscript magazines- assembly

25 Hours

MODE OF TRANSACTION

Lecture, Seminar, Assignments, Drill, Practice

TASKS AND ASSIGNMENT

1. Prepare a seminar paper and present it in the classroom based on any topic in the history of Sanskrit language education
2. Compare any two methods of teaching Sanskrit. Report be in ten pages **or**
3. Prepare report on the difficulties faced by students in reading and writing Sanskrit languages in two neighbouring schools.

REFERENCES

Mathrubhasha bodanamPravanathakalum reethikalum, Bindhu. C
 Taxonomy of Educational Objectives, Bloom. B.S
 Reflections on Language, Chomsky. N (1975)
 Audio- Visual methods in teaching, Dale 1961
 National curriculum frame work, NCERT(2005) New Delhi Kerala Curriculum Framework,
 SCERT, Trivandrum Practical Sanskrit Grammar,
 PRD Sarma Tarkasamgrah,
 Annambhatta First book of Sanskrit and Second Book of Sanskrit,
 Bhandarkar A Sanskrit Grammar for Students,
 Appayadikshita Vritarathnakaram,
 Kedarabhatta Sidhanta Kaumudi,
 Bhattogi Dhikshidar Laghusidhanta Kaumudi,
 Varadaraja Panditan A Work book for Sanskrit Learners : Abhyasamanjari Vakyamritham
 Prayogaparichayam

EDU .05.6.THEORETICAL BASES OF TEACHING TAMIL

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. Familiarizes the student teacher with the functional aspects of teaching and learning and the divergent roles expected to be an Ideal Teacher
2. Acquaints the student teacher with the meaning, nature and characteristics of language
3. Grasp knowledge about the nature and scope Tamil Language and its status in the present day world.
4. Develops the ability to apply theories related to Language teaching
5. Familiarizes with techniques of teaching language skills
6. Familiarizes with traditional approaches and modern methods of language teaching
7. Develops the ability to choose the most suitable method
8. Updates knowledge of the current approaches as well as method
9. Understand the techniques of teaching vocabulary, functions and different language forms
10. Updates on the present practices of learning and instruction practiced in the state schools of Kerala

COURSE CONTENT

Unit I

Tamil language

- Nature of language-origin and growth-language learning. Language and its elements – Pronunciation, vocabulary, vocabulary expansion – classroom devices and exercises. Types of Tamil language – spoken Tamil – Colloquial to accepted forms – written Tamil Classical language characteristics of classical language Tamil as a classical language
- The aims of teaching the mother tongue. The mother tongue as medium of thought and communication of ideas, emotions and experiences, means of

developing imagination and aesthetic taste-language as cultural heritage and means to final development

15 Hours

Unit II

Language skills

- **HEARING** Learning by hearing – encourage hearing habits – get practice in paragraphing – briefing of paragraph and long paragraph – to attain various aims-knowing of news – appreciation etc. advertising for the above the difference between hearing and understanding.
- **SPEAKING** Speak with clarity-speak without grammatical mistake-traditional way proverbs-ability in speech in the initial stage debates-discussions question on time-make use of these in the primary, middle and high school classes.
- **READING** The aims of teaching reading methods, reading according to letters, reading according to words, their benefits and draw backs (merits and demerits), increase of vocabulary, to instigate in the studies, loud reading, methods, merits and demerits, making use of books, reading in libraries, dailies weeklies using, deep study, wide study, aims, merits and demerits
- **WRITING** Handwriting and writing without spelling mistakes, give practice for that, certain basic exercises. How to hold the pencil or pen, the characteristics of good handwriting, boldness, clarity, beauty, proper spacing, methods of writing exercise, writing on lines, copy writing, writing on hearing.

20 Hours

Unit III

Methods of teaching tamil

- The methods of teaching mother tongue ancient way of teaching, play way, acting way, conversation way, study of supervision way, project way, kinder garden method, individual teaching way, submissions, and other modern trends-Co-operative and Collaborative learning b.
- Teaching of poetry-objectives-methods descriptive method-poets perspective-readers response-thematic reading - Teaching of prose-objectives-methods difference between teaching of prose and poetry -Teaching of grammar-objectives-methods deductive method-inductive method. The aims and methods of teaching composition-

25 Hours

Unit IV

Approaches to teaching tamil

- Behaviourist approach b. Constructivism, Social Constructivism, Chomskyan Concept (Universal Grammar)

12 Hours

Unit V

Modern techniques in teaching tamil

- Collaborative Learning & Co-operative Learning, discussion, Seminar, team teaching-brain storming, techniques making the past
- utilizing community resources for teaching Tamil.
- Prepare a resource unit for any unit in Tamil text book

16 Hours

Unit VI

Teaching skills and micro teaching

- Teaching Skills and their components-teaching skills essential for Tamil teacher. Qualities and competencies of a Tamil teacher –Microteaching

12 hours

TASKS AND ASSIGNMENT:

1. Prepare report on the difficulties faced by students in reading and writing Tamil languages in a neighbouring school.
2. Prepare Language games for teaching language skills

REFERENCES(For I II & IV Semester)

- Rediyar, subbu N, Tamil Karpium Muraikal
 Rajan, Govinda M, Nattamil Karpithalum Muraikalum
 Ponnappan P, Tamil Paadam Cholum Murai (vol I & II)
 Nathan, Meenakshi S, Notes of Teaching Tamil, Manonmaniam sundarnar University Publication
 Parasuraman, S Tamil Kamithalil Paryerchikal
 Gurney P, Teaching of Mother Tongue
 Rylburn, Suggestion of Teaching of Mother Tongue
 Nathen, Meenakshi et al, Tamil Grammar of std VIII & IX (SCERT)
 Tamil Nadu Text Book society Publication, Tamil Grammer for std VIII & X
 Nannool Kaandikai Urai Pavanantham Pilla Commentary
 VisakaperimaiP, Annai Ilakkanaram. Saiva Sithandam Publication
 Iyengar, Ragava M. Porulathikara Arachichi
 Muthishanmugham, Thekkaiamoyliyiyai,
 Raja Ram, Tamil Phonetic Reader, Central Institute of Languages, Mysore
 Paranthamanar, A. Nalla Tamil Ezhuthu Karuthum
 Veluppillai, Tamil Ilakkiyalin Kaalamum Karutum
 Varadarajan M, Tamil lakkiga Varalam, Sakitay Academy Pbublications s
 Mandstein CH , Modern Language Teaching
 Rediyyar, Subbu, Tamil Karpikkum Muraikal
 Govinda Rajan, M Nattamil Pariyuttum Nookam Muriyum
 Govinda Rajan, M. Paliluttu Paiurchium, Mozchiaciriyar-Gazhumy
 Govinda Rajan, Mozhi Thiregalghum, Cila cikkalaga-lum
 Billows, The techniques of language teaching, New Delhi: Longmans
 Dalki J, The Language Laboratory and Language Learning. New Delhi: Longmans

EDU.05.7. THEORETICAL BASES OF TEACHING URDU

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To acquaint with the nature and scope of Urdu language
2. To familiarise with the four skills
3. To understand the theories of language learning
4. To understand the methods and approaches of teaching Urdu
5. To understand the nature of selecting language materials
6. To develop teaching skills among teacher students
7. To understand the techniques of teaching vocabulary, functions, pronunciation, prose poetry and composition
8. To update on the present practices of teaching Urdu in the State of Kerala.
9. To understand the principles of organising curriculum
10. To familiarise with resources for teaching/learning Urdu

COURSE CONTENT

Unit I

Urdu language

- Language-Urdu Language-History and development Its relation with languages especially with Hindi and Persian Development of Urdu Literature.
- Challenges of teaching Urdu in Kerala.
- Measures for improvement

12 Hours

Unit II

Language skills

- Urdu as a Skill subject-- LSRW skills and the process skills.
- Techniques to develop LSRW skills

13 hours

Unit III

Approaches to teach Urdu

- Behaviourism ,Constructivism ,Multiple Intelligence ,Chomskian concept of Language Development ,Stephen Krashen’s theory, Dr. N.S.Prabhu’s CBLT programme

20 hours

Unit IV

Methods and approaches of teaching urdu

- Method, approach, technique & strategy. Grammar –translation method, direct method, bilingual method.
- Structural approach, communicative approach, humanistic approach, whole language approach .Characteristics, principles, advantages & limitations.
- Innovative practices in ULT Principles of selection and grading of language materials

25hours

Unit V

Teaching vocabulary, grammer, prose and poetry

- Vocabulary- Types of vocabulary, Kinds of words, Techniques of teaching vocabulary, Enrichment of vocabulary, Language games.
- Form and function—methods of teaching grammar. Teaching of pronunciation
- Types of prose- intensive and extensive reader, techniques of teaching prose & poetry.

15 hours

Unit VI

Teaching skills and micro teaching

- Skills for effective teaching Core skills. .
- Micro teaching—definition-principles micro teaching cycle, limitations.

15 hours

MODE OF TRANSACTION

Lecture, Reading and reflection, discussion, seminar, debate

TASKS AND ASSIGNMENT

1. Prepare report on the difficulties faced by students in reading and writing Urdu languages in a neighbouring school.
2. Prepare Language games for teaching language skills in Urdu

REFERENCES (For I II & IV Semester)

1. Principles of Language Study. H.E. Planer.
2. Language Teaching – Robert Lado.
3. Method of Teaching the Mother tongue. Ryborn.
4. Tadrees-c-zaban-urdu-shervani
5. Urdu Ki Tadrees-Mainudheen
6. Urdu ki Dars – 0 – Tadrees – Masayil- Haroon Ayoob.
7. Urdu Kaise Padayam –Mainudheen.
8. Evaluation in Language Education – CIII. Mysore.

9. Dr. Abdul Haq. Quwayide-e-Urdu.
10. Rasheed Hassan Khan. Saheeh Imla.
11. Rambabu Saksena. Tareekh-Adab-c-Urdu
12. Syed Shafi Murteza. Ashaf-c-Adab-KO Irthiqa.
13. Prof. M.A. Zahid. Tarz-c-Nigarish.
14. Anjumen Tarqui-Urdu-Hind. Nazeemal Balagth.
15. Azeemul Haq Jincidi. Urdu Adb Ki Tareekh.
16. Habbcc Khan. Ghalib-sc-Iqbal tak-
17. Prof. Moinudheen. Hum Urudu Kaise Pad haayen.
18. Shafi Ahmed Saddiqui. Urdu Zaban Wa Quawaid. Part I & II

EDU0 5.8 THEORETICAL BASES OF TEACHING COMMERCE

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES:

1. To endow students with various dimensions of commerce and accountancy subject
2. To appreciate commerce as a dynamic and expanding body of knowledge
3. To familiarize the evolution of teaching of commerce
4. To gain insight into the aims and objectives of teaching commerce subjects
5. To equip prospective teachers in developing teaching skills through micro teaching practices
6. To equip the students with current trends in developing commerce curriculum at higher secondary level
7. To comprehend various approaches, methods and techniques of teaching commerce
8. To proficient in selecting appropriate teaching methods and techniques of commerce teaching in varied context and content

COURSE CONTENT

Unit 1

Commerce as a unique discipline

- Commerce - Meaning, Definition, Importance and Scope of Commerce as a subject
- Areas of Commerce and its recent development
- Accounting - Meaning, definition, Importance and Scope (Cost Accounting, Computerized Accounting, Financial Accounting, DBMS)
- Vocational Education, Entrepreneurship Education, Consumer Education - Meaning, features and importance
- Concept of Marketing Management, Financial Management, Human Resource Management, and its recent development.

(15 Hours)

Unit II

Commerce education

- Concept of Commerce Education , Meaning , definition , nature and Importance
- Historical development of Commerce - Recommendations of various committees on Commerce Education
- Curricular reforms by KCF 2007 and NCF 2005-A brief outline of aims of education.

(8 Hours)

Unit III

Aims and objectives of teaching commerce

- Aims of Teaching Commerce
- Objectives of Teaching Commerce at Secondary and Higher Secondary Level.
- Values of Teaching Commerce
- Instructional Objectives of teaching Commerce- Revised Bloom's Taxonomy- Criteria for writing Instructional Objectives- Specifications
- Process skills in Commerce

(20 Hours)

Unit IV

Micro teaching

- Meaning, features, Steps and Phases of micro teaching
- Teaching Skills- Core Skills and its components –Lesson plans
- Integration of Skills and link Practice

(15 Hours)

Unit V

Commerce curriculum

- Concept of Curriculum –Meaning and Definition
- Principles of Curriculum Construction
- Types of Curriculum
- Approaches of Curriculum organization
- Recent Trends in Construction of Commerce Curriculum
- Curriculum Evaluation – Meaning, purpose, levels and techniques of curriculum evaluation

(12 Hours)

Unit VI

Approaches, methods & techniques of teaching commerce

- Maxims and Principles of Teaching Commerce.
- Meaning, Characteristics and Advantages of Learner centred approach, Competency based approach and Multi Media approach, Activity based approach- large group activity and small group activity
- Approaches of Teaching Accountancy: Balance sheet approach, Equation approach and Spiral Development approach
- Methods of Teaching Commerce: Lecture method, Discussion- Group discussion and panel discussion, Debate, Seminar, Project method, Problem Solving method,

Inductive and deductive method, Analytic and synthetic method , Case Study method, Market studies and surveys

- Techniques of Teaching Commerce – Review, Role play, Simulation, Brainstorming.
- Teaching Strategies in Commerce – Co-operative learning, Experiential Learning, Concept Mapping

(30 Hours)

MODE OF TRANSACTION

Lecture, Discussion, Group work and Project, Assignment, Seminar, Debate

TASKS AND ASSIGNMENT (20 Marks)

1. Undertake a Project on selected area from commerce
2. Compare the commerce curriculum of Higher Secondary Stage of Kerala state with that of the Central Board of Secondary Education based on curricular reforms.

REFERENCES

1. Aggarwal, J.C. (2003). *Teaching of Commerce; A Practical Approach*. New Delhi : Vikas Publication.
2. Anderson,W,L and Krathwohl,D,R (2001). *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*. Boston : Allyn & Bacon.
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5. Boynton,L.D .(1963). *Methods of Teaching Bookkeeping and Accounting*. Ohio: South Western Publication.
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11. Joyce,B & Weil, M. (2003). *Models of Teaching* (5th Ed.). New Delhi: Prentice Hall.
12. Khan,M,Y & Jain,K,J. (2000). *Management Accounting*. New Delhi : Tata Mcraw Hill.
13. Khan.S.M.(1987). *Commerce Education*. New Delhi :Sterling Publishers.
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18. Passi, B.K. (1976). *Becoming a Better Teacher: A Micro Teaching Approach*. Ahamadabad: Sahithya Mundranalya.
19. Prasad, L.M. (2012). *Principles and Practice of Management*. New Delhi: Sultan Chand.
20. Pophan, Scharg & Blockhus. (1975). *A Teaching Learning System for Business Education*. New York: McGraw-Hill.
21. Raj, R, B. (1999). *New Trends in Teaching of Commerce: Models of teaching and concepts of learning*. New Delhi: Anmol Publications.
22. Rao, D.B. (2006) *Methods of Teaching Commerce*. New Delhi: Discovery publishing house.
23. Roa, S. (2005). *Teaching of Commerce*. Anmol Publications pvt.Ltd: New Delhi.
24. SCERT. (2007). Kerala Curriculum Framework. Trivandrum: SCERT.
25. Sharma, A. (2009). *Contemporary Teaching of Commerce*. Surjeet Publications: New Delhi.
26. Shukla, M.C, Grewal, T.S & Gupta, S.C. (1996). *Advanced Accounts*. New Delhi: S.Chand and Co
27. Singh, M.N. (1977). *Methods and Techniques of Teaching Commerce*. New Delhi : Youngman.
28. Singh, V.K (2006). *Teaching of Commerce*. New Delhi: A.P.H. Publishing corporations
29. Singh, Y.K. (2011). *Teaching of Commerce*. New Delhi : APH.
30. Tiwari, S.A. (2005). *Commerce Education in the global Era*. New Delhi : Adhyayan Publishers.
31. Vyotsky, L.S. (1978). *Mind and Society : The Development of Higher Mental Processes*. Cambridge: Mass University Press.
32. Higher secondary business studies and accountancy text book (Plus 1 & Plus 2)

EDU 05.9.THEORETICAL BASES OF TEACHING COMPUTER SCIENCE

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To acquaint with the nature and values of computer science education.
2. To understand Aims and Objectives of teaching computer science
3. To familiarize the developmental trends of computer science
4. To understand Approaches, Methods and Techniques of Teaching Computer Science
5. To understand the principles of Organizing Curriculum

COURSE CONTENT

Unit I

Introduction to teaching computer science

- Meaning, definition, nature and scope of computer science
- An overview of the history of the development of computer science as a special discipline. Familiarisation of typical projects on computer education such as European school project, STREET project, etc.
- Need and significance of teaching computer science.

- Computer Science as a core subject and its relation to other disciplines. Use of computers as a teaching aid for other subjects.
- Future of computer science in view of unbelievably fast changes.

(16 Hours)

Unit II

Aims , Objectives and Values of Teaching Computer Science

- Aims and Objectives of Teaching Computer Sciences at Primary, Secondary and Higher Secondary stages.
- Conceptual, Inquiry, Skill and Affective Objectives of Computer science
- Bloom’s Taxonomy of Educational Objectives
- Revised Bloom’s Taxonomy by Anderson and Krathwohl
- Values of Teaching Computer Science : Practical values of Computer with reference to scientific and technological developments in all domains of knowledge, Cultural values with reference to Communication facilities binding humanity as a whole. Recreation and utilization of leisure time Spread of universal and continuing education.

(20 Hours)

Unit III

Teacher Behaviour and Micro Teaching

- Teaching -Meaning, Definition, Principles and Functions
- Phases of Teaching
- Maxims of teaching
- Teacher behaviour
- Teaching skills
- Micro teaching – Meaning, Definition, Phases ,Micro Teaching Cycle , Link practice and preparation of micro teaching Lesson plan

(20 hours)

Unit IV

Computer Science Curriculum

- Meaning and Definition of Curriculum
- Curriculum, Syllabus, Text book and Interactive textbook
- Principles of Curriculum Construction
- Fusion, Integration and Correlation in Computer science Curriculum
- Organizing science curriculum – Topical, Spiral and Unit Approach
- Approaches to Curriculum Construction : Grass root approach, Administration approach, Demonstrative approach
- Modern Trends in Computer Science Curriculum
- Scope of Computer based Evaluation.

(20 Hours)

Unit 5

Method and Strategies of teaching computer sciences

- lecture method, Lecture cum demonstration method, Heuristic method, seminar, discussion method, problem solving method, Project Method

- Collaborative learning, Managing Group learning in a classroom Critical Pedagogy
- ICT enabled learning: Self learning – Programmed learning – Computer assisted learning, e-learning, m-learning, LMSs.
- Web based discussions: chat rooms, discussion forums, etc.
- Learning Strategies : Meta-cognitive learning Strategies, Brain Based Learning, Exploratory and investigatory learning, Discovery Learning & Concept Mapping.
- Electronic resources & e-content, e-content development.

(24 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

- Undertake a Project on selected area from Computer Science
- Compare the Computer Science curriculum of Higher Secondary Stage of Kerala state with that of the Central Board of Secondary Education based on curricular reforms.

REFERENCES (For I & II Semester)

1. Emerging Trends in Teaching of Computer : Ratho, T.N. and Ravi Prakash
2. Computer Education: (ed.) Venkataih
3. Computer Education: U.K.Singh and K.N.Sudarsan
4. Models of Teaching: Bruce Joyce and Marsha Weil
5. A Study of Thinking: Jerome S. Bruner et al.
6. Piaget for Classroom Teaching: Bavry J. Wadsmith
7. Cybernetic principles of Learning and Education Design: Karl U.Smith and margaret Edlts Smith
8. Behaviour therapy: Rimm and Masters
9. Synetics : William J.J. Gorden
10. Education in Digital Age: R.K. Ramana
11. Computer Assisted Instruction – A synthesis of Theory, Practice and Technology: Stainberg
12. Microcomputers in Education: Smith, I.C.H.
13. Annotate C++: Stroustrup
14. Education via internet: Venkataiah S.
15. Education in the computer age-issue of policy, practice, and reform: Wldavsky A.
16. Oracle 8I – The Complete Reference: Kevin Loney and George Kock
17. Object Oriented Modeling and Design: James Rumbaugh et al

EDU.05.10. THEORETICAL BASES OF TEACHING MATHEMATICS

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To develop an insight into the nature of Mathematics.
2. To develop an understanding about the interrelationship of different branches of Mathematics, relationship of Mathematics with other subjects and with daily life.
3. To familiarise the history of Mathematics and Mathematics education.
4. To know the recommendations of various committees and commissions(in India) about the role of Mathematics in school curriculum.
5. To understand the values of learning mathematics.
6. To understand the aims and objectives of teaching mathematics.
7. To analyse the objectives of teaching Mathematics at different levels of Education.
8. To understand the Taxonomies of Educational objectives (Bloom's & RBT).
9. To develop understanding about the desirable teacher behaviour for effective teaching of Mathematics
10. To understand different approaches, methods and techniques of teaching mathematics
11. To understand the implications of theories of Piaget, Bruner and Gagne in Mathematics Education.
12. To understand the steps of development of Mathematics curriculum
13. To understand the principles of curriculum construction and organization.
14. To analyse the various approaches to curriculum organization
15. To familiarise with important reforms in Mathematics Curriculum in India and abroad.

COURSE CONTENT

Unit I

Nature of mathematics

- Mathematics- meaning and definition
- Nature of Mathematics- Mathematics as a Science, Mathematics as a game, Mathematics as a language, Mathematics as a tool. Difference between Mathematical science and basic science.
- Pure and applied Mathematics, Role of axioms and postulates,
- Fundamental branches of Mathematics (Arithmetic, Algebra, Geometry, Trigonometry)- Origin, nature of content, link between the branches
- Correlation of mathematics with other subjects and real life.
- Evolution of Mathematics as a discipline: Development as a science, History of Mathematics from ancient period to 20th century

- Role of Mathematics in school curriculum in India- Recommendations of various Committees and commissions (NPE, NCF, KCF.)
- (20 Hours)**

Unit II

Aims and objectives teaching mathematics

- Values of learning Mathematics, aims and objectives of teaching Mathematics
- Objectives of teaching Mathematics at elementary, secondary and senior secondary levels with respect to NCF and KCF.
- Taxonomy of educational objectives- Blooms Taxonomy, Revised Bloom's Taxonomy- a conceptual overview

(17 Hours)

Unit III.

Micro teaching

- Teaching -Meaning, Definition, Principles and Functions
- Phases of Teaching
- Maxims of teaching
- Teaching skills
- Micro teaching – Meaning, Definition, Phases ,Micro Teaching Cycle , Link practice and preparation of micro teaching Lesson plan

(22 Hours)

Unit IV

Approaches, methods and techniques of teaching mathematics

- Behaviourist approach, problem based learning, constructivist approach and heuristic approach
- Methods of teaching mathematics- Inductive-Deductive method, Analytic-Synthetic method, Project method, laboratory method, problem solving method
- Techniques of teaching mathematics- questioning, brainstorming, assignment
- Teaching for understanding proofs, Kinds of proofs- direct, indirect, by mathematical induction, by contradiction, by causes, the contra positive and disproof by counter example.

(23Hours)

Unit V.

Mathematics curriculum

- Curriculum- meaning, types
- Curriculum development: Construction, organisation and evaluation-
- Principles of Mathematics curriculum construction, principles and approaches of curriculum
- Organisation
- Mathematics curriculum reforms - SMP, SMSG, NCERT, NCF, KCF, Nuffield

(18Hours)

MODE OF TRANSACTION

Lecture cum discussion, Brain storming, assignment and Seminar

TASK AND ASSIGNMENTS

1. Critically analyse the implications of SMP/SMSG/Nuffield in secondary school mathematics curriculum in Kerala with the supporting evidences (interview/questionnaire, content analysis etc. Items for interview or questionnaire may be framed based on each dimension of the concerned reform)
2. Prepare a picture album of famous mathematicians (including western and Indian) with descriptions of their biography and contributions. (At least 10 mathematicians)

REFERENCES (For I II & IV Semesters)

1. Anderson, W. L. & Krathwohl D. R. A taxonomy for Learning, Teaching and Assessing. New York: Longman.
2. Arnold V. et al (2000). Mathematics: Frontiers and perspectives AMS.
3. Backhouse, J. et al.(1992). Improving the Learning of Mathematics. Cassel.London.
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N.C.E.R.T. (1993). National curriculum for elementary and secondary education (rev. ed.). New Delhi: N.C.E.R.T
NCERT . (2005)National Curriculum Frame Work New Delhi: NCERT
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17. NCTE (1998). Pre-Service Education.
18. Nickson M. (2006). Teaching and learning mathematics, New York: Continuum.
19. Orlich, D.C.et al. (2001). Teaching Strategies. A guide to better instructions. Houghton Mifflin Co. New york.
20. Paintal Iris (1982). Micro Teaching : A Hand book for teachers. Oxford University Press. New Delhi,

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26. S.K.Kochhar..Methods and Techniques of Teaching, Sterling Publishers pvt ltd 2003
27. SCERT. (2007) Kerala Curriculum Frame Work Thiruvananthapuram: SCERT
28. Sidhu, K.S. The Teaching of Mathematics. Sterling Publishers. Banglore.
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31. State Text Books and Hand Books in mathematics of kerala, Class VII – XII.
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40. www.fisme.science.uu.nl/en/rme/
41. www.unesco.org/education/pdf/323_22.pdf
42. www.wcer.wisc.edu/news/coverstories/promises_of_realistic_math_education.php
43. www.wisc-online.com
44. <http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/CLChapter.pdf>
45. Moersch, C. Informal Assessment Strategies: A-Z for the Math Math.http://loticonnection.cachefly.net/iste_2010/Informal_Assessment_Strategies.pdf
46. <http://unesdoc.unesco.org/images/0009/000911/091122EB.pdf>
47. <http://www.iitk.ac.in/mathold/pdf/Olmpd-broch-2014-15.pdf>
48. http://www.allen.ac.in/pre_nurture/pre_nurture_examcalender.asp

EDU.05.11. THEORETICAL BASES OF TEACHING NATURAL SCIENCE

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To acquaint with the nature of Science.
2. To develop understanding of the place of science in National School Curriculum.
3. To familiarize the evolution of Teaching of Science.
4. To update the present practices of learning and instruction prevailing in the state schools of Kerala.
5. To understand Approaches, Methods & Techniques of Teaching Science.
6. To understand the Theoretical Bases of constructivism and to familiarize with the methods and techniques for implementing constructivism in the classroom.
7. To understand the principles of organizing curriculum.
8. To provide theoretical backings of Microteaching and models of teaching
9. To appreciate linking science with society.

COURSE CONTENT

Unit I

Introduction to science discipline

- Science-its meaning, definitions, and nature
- Science as a product and process
- Science as an on-going process of enquiry, importance of science as a school subject
- Scientific Method, steps of scientific method
- Scientific Attitude-Scientific Aptitude.
- Landmarks in the development of science education.
- Science Education as envisaged in the NCF (2005), KCF(2007).

(14Hours)

Unit II

Micro teaching and models of teaching

- Micro teaching-micro teaching cycle-Teaching skills for class room instruction, Essential skills for Science teaching, Micro teaching - a skill based practice.
- Models of Teaching –Meaning and concept, Families of Models of Teaching, Elements of a model
- Concept Attainment Model, Inquiry Training Model and Advance Organizer Model

(20 hours)

Unit III

Approaches, methods and techniques of teaching science.

- Teaching - Maxims of teaching.
- Inductive, Deductive, Enquiry, Discovery and guided discovery Approaches .
- Methods of Instruction – Lecture, Lecture cum demonstration method,
- Heuristic method, Project method, Problem solving method,
- Dalton Plan, Individual laboratory method and activity based learning (ABL)
- Teaching techniques and strategies- Questioning Technique, Discussion, Brain storming, Role Playing, simulation, Seminar and Debate and panel discussion

(24 Hours)

Unit V

Learning as a generative process

- Constructivism- conceptual frame and underpinning theories
- Cognitive Constructivism and Social Constructivism,
- Behaviourist approach Vs Constructivist approach.
- Collaborative learning, jig-saw learning-Managing Group learning in classroom
- .Learning as a Generative process- Role of a teacher and learner in these contexts
- Critical Pedagogy and issue based learning
- Review of the latest happenings in the state schooling procedures.

(20 Hours)

Unit V

Science education

- **Science and society**-Science as a social Endeavour; Scientific Literacy, Influence of science on society.
- Misconceptions in Science – Examples of common misconceptions in students, Role of teachers in overcoming student misconceptions.
- The Science Teacher and Society. Roles of science teacher in modern society
- **Science Curriculum** -A conceptual analysis, Curriculum and syllabus, Hidden curriculum

- Principles of curriculum construction.
- Stages of curriculum development. Approaches to curriculum organization, Integrated, Disciplinary and Inter disciplinary approach.
- Curriculum reforms abroad-BSCS, Nuffield Foundation.
- Correlation in science teaching -Need and Significance, Types of correlations- Incidental correlation, Systematic correlation, Correlation of science with other subjects.

(22 Hours)

MODE OF TRANSACTIONS

Lecture, Demonstration, Seminars, Discussions

TASKS AND ASSIGNMENTS

1. Prepare a lesson transcript based on any one models of teaching prescribed in syllabus.
2. Write a script for the Role play of a Biological theme and enact it in a school class and reflect

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EDU 05.12 THEORETICAL BASES OF TEACHING PHYSICAL SCIENCE

**Contact Hours: 100 (Instruction)
20)**

Maximum Marks: 100 (External: 80, Internal:

COURSE OBJECTIVES

1. To acquaint with the nature and evolution of physical science
2. To understand Aims and Objectives of teaching physical science
3. To develop proper teacher behavior among teachers
4. To understand the principles of organizing Curriculum
5. To familiarize with methods and Strategies of teaching physical science

COURSE CONTENT

Unit.1

Introduction to teaching physical science

- Meaning, definition, nature and scope of physical science
- Science as a product and process
- Evolution and significance of physical science as a school subject
- Values of teaching physical science in the present context
- Scientific Attitude and Scientific Aptitude
- Branches of science, Emergence of interdisciplinary subjects

(16 Hours)

UNIT II

Aims , objectives and values of teaching physical science

- Aims and Objectives of teaching Physical Science
- Objective based instruction and evaluation, objectives and specific objectives, learning experience and evaluation
- Bloom's Taxonomy of Educational Objectives
- Revised Bloom's Taxonomy by Anderson and Krathwohl
- Taxonomy of Mc Cormack & Yager
- Digital Taxonomy
- Process skills in Science at secondary stage, Developing process skills in students.

(20 Hours)

Unit III

Teacher behaviour and micro teaching

- Teaching -Meaning, Definition, Principles and Functions
- Phases of Teaching
- Maxims of teaching

- Teacher behaviour
- Teaching skills
- Micro teaching – Meaning, Definition, Phases ,Micro Teaching Cycle , Link practice and preparation of micro teaching Lesson plan

(20 hours)

Unit IV

Physical science curriculum

- Meaning and Definition of Curriculum
- Curriculum , Syllabus and Text book
- Principles, Foundation and Stages of Curriculum construction
- Correlation in science teaching
- Organizing physical science curriculum – Topical, Spiral and Unit Approach
- Approaches to Curriculum Construction - concentric plan, topic method, type study. Integrated, Disciplinary and Interdisciplinary Approaches Grass root approach
- CBA, CHEM, PSSC

(20 Hours)

Unit V

Method and strategies of teaching physical sciences

- Methods of Instruction: Lecture cum demonstration method, Project method, Problem solving method, Individualized laboratory method, Dalton Plan, Supervised study.
- Teaching techniques and strategies- Brain storming, Questioning Technique, Buzz discussion- Debate, Symposium, Panel Discussion, and Seminar. Concept map, Mind Map, Analogies, Blended learning, Problem-based Learning (PBL), Mnemonics, Graphic organizers

(24 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS (Any Two of the following)

3. Construct a mind map for any topic in Physics or Chemistry at the higher secondary level.
4. Critically evaluate Physical Science Textbook at Secondary level based on Principles of Curriculum Construction
5. Develop a module for a single topic emphasising the development of any 5 process skills in secondary students.

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EDU 05.13 THEORETICAL BASES OF TEACHING SOCIAL SCIENCES

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80,

Internal: 20)

COURSE OBJECTIVES

1. To acquaint with the nature and evolution of social sciences and social studies
2. To understand Aims and Objectives of teaching social science
3. To develop proper teacher behavior among teachers
4. To understand the principles of organizing Curriculum
5. To familiarize with methods and Strategies of teaching social sciences

COURSE CONTENT

Unit.1

Introduction to teaching social sciences

- Meaning, definition, nature and scope of social science
- Evolution of social science as a subject
- Need and significance of teaching social science in the present context
- Social Studies as a core subject and its relation to other core subjects- language, General science and mathematics.
- Social studies Vs Social sciences

(16 Hours)

Unit II

Aims , objectives and values of teaching social sciences

- General aims of Teaching social Sciences
- Aims of Teaching Social Sciences at Secondary stage
- Objectives of Teaching History, Geography, Economics and Political Science.
- conceptual , Inquiry, Skill and Affective Objectives of Social science
- Bloom’s Taxonomy of Educational Objectives
- Revised Bloom’s Taxonomy by Anderson & Krathwohl
- Values of Teaching Social Sciences

(20 Hours)

Unit III

Teacher behaviour and micro teaching

- Teaching -Meaning, Definition, Principles and Functions
- Phases of Teaching
- Maxims of teaching
- Teacher behaviour
- Teaching skills
- Micro teaching – Meaning, Definition, Phases ,Micro Teaching Cycle , Link practice and preparation of micro teaching Lesson plan

(20 hours)

Unit IV

Social science curriculum

- Meaning and Definition of Curriculum
- Curriculum , Syllabus and Text book
- Principles of Curriculum construction
- Fusion, Integration and Correlation in Social science Curriculum
- Organizing social science curriculum – Topical, Spiral and Unit Approach
- Approaches to Curriculum Construction
 - Grass root approach
 - Administration approach
 - Demonstrative approach
- Modern Trends in Social Science Curriculum
- Evaluation of Social Studies Curriculum

(20 Hours)

Unit 5

Method and strategies of teaching social sciences

- Lecture method
- source method
- discussion method
- problem solving method

- Project Method
- Dialogical Method
- co-operative learning strategies
- Reflective Learning Strategies
 - o Meta-cognitive learning Strategies
 - o Brain Based Learning
 - o Exploratory and investigatory learning
 - o Discovery Learning & Concept Mapping

(24 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS (Any Two of the following)

1. Critically evaluate Social Science Textbooks at Secondary level based on Democratic and Secular values
2. A minor Project relevant to Social Science

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SEMESTER I
B. Practical Courses

EDU 101 MICRO TEACHING (30 Hours- 30 Marks)

COUSE OBJECTIVES

1. To develop specific teaching skills
2. To build up confidence in teaching
3. To practice and refine teaching skills
4. To provide feedback for modification of teaching behavior

Student teachers shall practice and refine at least **5 teaching skills** through micro practices and their Integration through Link practice. They have to prepare micro lessons, and receive feedback from peers and teacher educators. Keep a record of micro lessons, link practice lesson, and observation schedules on the skills practiced and improved upon. **(Micro practice= 20 marks: Link practice=4 marks; Record=6 marks)**

EDU 102 COURSE ON EPC 1: LANGUAGE ACROSS CURRICULUM – READING AND REFLECTING ON TEXTS (50 Hours -50 Marks)

COURSE OBJECTIVES

Upon completion of this course, the student teacher will:

1. Develops ability to comprehend the language of texts, teacher and learner and various other instructional contexts
2. Improve his/her proficiency in ‘reading’, ‘writing’, ‘thinking’, and ‘communicating’ in the language of instruction
3. Develop an interest in reading
4. Improve his/her ability to understand instruction

This is a major practical course suggested by NCTE curriculum framework. The course enable the learner to analyse the language of teacher, learner and text books of different subjects and contexts. This course also serve as a foundation to enable B.Ed. students to read and respond to a variety of texts in different ways and also learn to think together, depending on the text and the purposes of reading. Responses may be personal or creative or critical or all of these together. Students will also develop metacognitive awareness to become conscious of their own thinking processes as they grapple with diverse texts. In other words, this course will enable student-teachers to enhance their capacities as readers and writers by becoming participants in the process of reading. The aim is to engage with the readings interactively- individually and in small groups. This involves framing questions to think about, while preparing to read something, reading a text, and reflexively placing what one has read in the context of both the texts and one’s own experiences.

This course offers opportunities to confront with use of language in different curricular contexts including textbooks, classrooms and other formal and informal learning contexts.

The learner also gets opportunity to read a wide variety of texts, including empirical, conceptual, and historical work, policy documents, studies about schools, teaching, learning, and about different people’s experiences of all of these. The course will also include narrative texts,

expository texts from diverse sources, including autobiographical narratives, field notes, ethnographies, etc. to address different types of reading skills and strategies.

For expository texts, they will learn to make predictions, check their predictions, answer questions and then summarize or retell what they've read. Students will analyze various text structures to see how these contribute to the comprehension of a text. These readings will also provide the context for writing. Combining reading and writing leads to the development of critical skills. Student-teachers will get opportunities to write with a sense of purpose and audience, through tasks such as, responding to a text with one's own opinions or writing within the context of others' ideas.

Tasks = 50 marks

1. Identify and analyse the specific languages used in different curricular contexts – Language of textbooks of different subjects, Language of Examinations, Language of articles seminars/debates/workshops etc and language usage in other Formal and informal instructional contexts. Prepare a report (10 Marks)
 - a. Activities
 - i. Prepare a list of terminologies in English and local language of a subject text book at primary/secondary/higher secondary level
 - ii. Analyse a question paper of an examination and prepare a list of usages for different types and levels of test items
 - iii. Make a comparative analysis of structure of presentation and Specific language used in an article/ seminar/ debate/ workshop etc and prepare a report (Utilise one sample article/ programme details of a seminar/workshop/debate)
2. Observe two subject classes of secondary schools and record the discipline based language, teacher language and student language while discourse. Make a comparative analysis (10 Marks)
 - a. Activities
 - i. Visit a school and interact with subject teachers on discipline specific language
 - ii. Observe two subject classes of two different teachers
 - iii. Identify and list the use of discipline specific language, teacher language and student language simultaneously
3. Engaging with narrative and descriptive accounts (6 marks)
 - a. Activities
 - i. Select a text (A short story/ chapter of a fiction/ dramatic incident/ part of a travelogue/ comic etc.)
 - ii. Preliminary reading (individually)
 - iii. Secondary reading (in small groups)
 - iv. Share a related life experience with small group
 - v. Reflect upon language, characters, situations in small groups and present the same for whole group
 - vi. Prepare and submit a summary of the text in one's own language
4. Engaging with popular subject-based expository writing (6 marks)

- a. Activities**
 - i.** Select articles, biographical writing, or extracts from popular nonfiction writing, with themes that are drawn from the subject areas of the student teachers (various sciences, mathematics, history, geography, literature/language pieces etc.)
 - ii.** Preliminary reading (Individually)
 - iii.** Secondary Reading (in small groups formed based on subject interest)
 - iv.** Identify major concepts and subordinate ideas and prepare notes using diagrams, concept maps, graphs etc (In small groups)
 - v.** Prepare a separate note on writing style, view point of the author, subject specific vocabulary and references used (in small groups)
 - vi.** Prepare and submit a review/ summary of the text incorporating conceptual as well as style element (Individual)
- 5. Engaging with journalistic writing (6 marks)
 - a. Activities**
 - i.** Select an article from newspaper or magazine of contemporary interest
 - ii.** Initial reading - Practice skimming and scanning for extracting information (Individually)
 - iii.** Analyse structure of the article (in Small groups)
 - iv.** Identify subheadings, key words, sequence, illustrations, statistical data in tables/graphs etc (In small groups)
 - v.** Critical reading to identify view points, subjectivity or personal bias, journalistic and metaphoric language etc. (in groups)
 - vi.** Writing a popular article on a topic of contemporary interest (Individually)
- 6. Engaging with subject-related reference books (6 marks)
 - a. Activities**
 - i.** Form small groups based on their subject
 - ii.** Select a topic in their subject area by each group
 - iii.** Identify reference books available in the library for the topic
 - iv.** Scanning and skimming relevant information from reference books
 - v.** Making and collating notes
 - vi.** Organize the information under various headings
 - vii.** Plan a presentation of concepts to whole group
 - viii.** Presentation to whole group
 - ix.** Conduct a question answer session
- 7. Engaging with educational writing (6 marks)
 - a. Activities**
 - i.** Select an essay, chapter or extract from popular educational writings deal with issues and topics related with education, schooling, teaching learning process
 - ii.** Random grouping
 - iii.** Reading and discussion on main ideas, arguments, terminologies and examples used
 - iv.** Writing a review paper
 - v.** Present the review to whole group

EDU 103.YOGA, HEALTH AND PHYSICAL EDUCATION-I - (30 Hours -20 Marks)

1. Practicing and recording of health related physical fitness activities. (Walking/ jogging/ aerobic dance/ weight training/ cycling)
8 marks
2. Practicing 15 yogasanas (5 each in standing, sitting, and laying positions)
8 marks
3. Body composition –BMI/body shape index/skin fold caliper
4 marks

SEMESTER II

A .THEORY COURSES

EDU 06: PERSPECTIVES ON EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

This course will enable you to

1. To understand education as a discipline
2. To define education
3. To develop an understanding of major philosophical divisions and their relevance in education
4. To identify the relationship between education and social factors
5. To develop an understanding of Indian and western philosophical schools

COURSE CONTENT

Unit I

Teacher and Education

- Education as a discipline - Education as bipolar and tri polar process - Child centered a life centered education –
- Teaching as a profession - Teaching- An art and Science – Teacher - Qualities and Competencies Teacher Ethics- Teacher as a Leader -Role and Responsibilities of Teacher
- Teacher as a Change agent and Nation builder- Teacher as Social Transformer - Role of education to curb Social evils like Corruption, Terrorism, Antinational activities, Violence against women, Drug abuse and Alcoholism etc.

(10 Hours)

Unit II

Philosophy of Education

- Etymological and general meaning of Philosophy – Major Definitions
- major philosophical divisions - Axiology, Metaphysics, and Epistemology and its educational implications.
- Relation between education and philosophy
- Functions of philosophy.

(10 Hours)

Unit III

Sociology of Education

- Sociology – etymological meaning and definitions.
- Relationship between sociology and education.
- Educational sociology and its functions.
- Social Structure and Function - Social System and Education as socialization.
- Agencies of education – family, school, community, state and media.

(10 Hours)

Unit IV

Schools of Philosophy

- Eastern schools – Vedas, Upanishads, Buddhism, Jainism, and Islamic philosophy - its aims, ideals, and its significance in education.
- Western schools- Basic ideals of Idealism, Naturalism, and Pragmatism and its educational implications.

(20 Hours)

MODE OF TRANSACTION

Lecture, Reading and reflection, discussion, seminar, debate

TASKS AND ASSIGNMENTS

Prepare a detailed report on the various agencies of education in the socialization process of an individual

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EDU 07- FACILITATING LEARNING

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

To enable the prospective teachers to

1. understand the process, factors and theoretical bases of learning
2. understand the phenomenon of forgetting and to familiarize with strategies of overcoming forgetting with research evidence
3. familiarize with the acquisition of skills, values, attitudes and habits
4. understand learning in learner's perspective
5. develop positive attitude interest and appreciation regarding the teacher's role to foster learner based and context friendly approaches
6. develop skills in adopting techniques and strategies appropriate to the learning task
7. develop skills for diagnosing problems of learning and assessing learning outcomes

COURSE CONTENT

Unit I

Learning-a conceptual framework

- Concepts and definitions of learning- characteristics of learning process
- Learning and maturation

- Factors affecting learning: learner variables, task variables, method variables - cognitive, affective and socio- cultural factors
- Types of learning

(10 Hours)

Unit II

Motivation

- Meaning and definitions, historical perspectives
- Types of motivation
- Achievement motivation - meaning, characteristics, importance, developing achievement motivation
- Role of motivation in learning
- Classroom motivating techniques

(5 Hours)

Unit III

Perspectives on learning

- Behaviourist views about learning- theories of classical conditioning-trial and error-operant conditioning- educational implications
- Gagne's theory of learning and instruction- educational implications
- Cognitive views about learning- learning theories of Piaget, Bruner, Ausubel, Vygotsky- educational implications-
- Constructivist learning strategies: cooperative and collaborative learning, peer tutoring, concept mapping, brain based learning, cognitive apprenticeship, engaged learning
- Humanistic views on learning- Experiential learning (Carl Rogers)
- Social learning theory (Bandura) - educational implications
- Transfer of learning: concepts and definitions- types of transfer- theories of transfer- educational implications

(30 hours)

Unit IV

Remembering and Forgetting

- Memory-concept and definitions- types of memory- strategies to improve memory
- Forgetting- concept and definitions- causes of forgetting -curve of forgetting- educational implications
- Multi-stage model of memory- theories of forgetting-

(15 Hours)

Unit V

Creating facilitative learning environment

- Learning environment- formal, informal- home learning environment-school environment- class room climate- educational implications
- Teaching to facilitate learning: importance of teaching strategies- models of teaching (families, types, general overview)- Teacher's personality- role of teacher
- Learning in groups: concept of group- types of groups- characteristics of groups- Sociometry: use and importance - group dynamics- group cohesion-educational implications
- Guidance and counselling- concept- types- need and importance- role of teacher

(25 Hours)

Unit VI

Learning in learner's perspective

- Meaning and definition of learning style- approaches to learning- orientations in learning- classification of learning style (Dunn & Dunn) - multiple intelligence as learning style -educational importance of style preferences
- Reflective practices- attending to the experience- returning to the experience- reevaluating the experience
- Meta cognition-planning, monitoring and evaluation

(15 Hours)

TRANSACTION MODE

Lecture method, Seminars, Small group discussions, Field survey, Brainstorming sessions, Case study, Projects, Video viewing and power point presentations, Peer learning

TASKS AND ASSIGNMENTS

1. Constructing Sociograms based on an elementary classroom group and a secondary classroom group and comparing them.
2. Conducting a study on style preferences in learning in a group of 15-20 children using any tool on learning style.

REFERENCES

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EDU 08-ASSESSMENT FOR LEARNING

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

On completion of this course, the students will be able to:

1. Describe the meaning and role of assessment in learning.
2. Know the principles of assessment practices.

3. Understand the assessment practices in various approaches of teaching
4. Differentiate different types of assessment
5. Identify tools and techniques for classroom assessment
6. develop necessary skills for preparation of achievement test and diagnostic tests
7. Point out key issues in classroom assessment
8. understand how assessment can be possible in inclusive settings
9. viii) Master various statistical techniques for reporting quantitative data

COURSE CONTENT

Unit I

Basics of Assessment

- Meaning, Related terms- measurement, evaluation, examination
- Role of Assessment in Learning- as learning, for learning, of learning
- Formative and Summative assessment
- Purposes of Assessment
- Principles of Assessment Practices –principles related to selection of methods for assessment, collection of assessment information, judging and scoring of student performance, summarization and interpretation of results, reporting of assessment findings
(10 hours)

Unit II.

Assessment for Learning in Classroom

- Student evaluation in transmission-reception (behaviourist) model of education-drawbacks
- Changing assessment practices- assessment in constructivist approach-Continuous and Comprehensive evaluation- projects, seminars, assignments , portfolios; Grading
- Types of assessment- practice based, evidence based, performance based, examination based
- Practices of assessment- dialogue, feedback through marking, peer and self-assessment, formative use of summative tests
(12 hours)

Unit III

Tools & techniques for classroom assessment

- Tools & techniques for classroom assessment- observation, Self reporting, Testing; anecdotal records, check lists, rating scale, Test- types of tests.
- Rubrics- meaning, importance
- Assessment Tools for affective domain- Attitude scales, motivation scales-interest inventory
- Types of test items-principles for constructing each type of item
(20 hours)

Unit IV

Issues in classroom assessment

- Major issues-commercialisation of assessment, poor test quality, domain dependency, measurement issues, system issues

- Reforms in assessment-open book, IBA, on line, on demand
- Examination reform reports

(13 hours)

Unit V. Assessment in inclusive practices

- Differentiated assessment- culturally responsive assessment
- Use of tests for learner appraisal-achievement test, Diagnostic test- construction of each- preparation of test items- scoring key- marking scheme-question wise analysis
- Quality of a good test
- Ensuring fairness in assessment
- Assessment for enhancing confidence in learning- Relationship of assessment with confidence, self-esteem, motivation-ipsative assessment

(25 hours)

Unit VI. Reporting Quantitative assessment data

- Statistical techniques for interpreting and reporting quantitative data
- Measures of central tendency
- Measures of dispersion
- Correlation
- Graphs & Diagrams

(20 hours)

TASK & ASSIGNMENT

1. Prepare a tool for measuring any of the affective outcomes of the learner, administer it to a group of students (N>30) and interpret the result.
2. Visit nearby school and collect information regarding the advantages and disadvantages of CCE from teachers and prepare a report

TRANSACTION MODE

Lecture-cum-Discussion, brain storming, group discussion, individual and group exercises, assignments

REFERENCES

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EDU 09.1 PEDAGOGIC PRACTICES IN ARABIC

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. Familiarizes with the nature of text book and analyses pedagogically
2. Develops an understanding of pedagogy and its principles
3. Familiarizes with Taxonomy of Educational Objectives
4. Develops the ability and acquires the teaching skills by practicing complex skills of classroom teaching
5. Develops the ability to design lesson templates incorporating the relevant objectives and activities
6. Develops knowledge of the importance of planning in teaching
7. Familiarizes with ways of employing teaching skills for effective teaching
8. Acquire the ability to plan lessons and use in classroom teaching
9. Acquire the ability to apply suitable Teaching Aids in classroom teaching

COURSE CONTENT

Unit I

Introduction to pedagogic content knowledge (PCK)

- Content Knowledge and Pedagogic Knowledge
Pedagogic Content Knowledge
Pedagogic Content Knowledge analysis: scope, principles and objectives
- Steps involved in pedagogic content knowledge analysis
- Pedagogic Analysis of language discourses :Conversation, poem, rhyme, slogan, speech, notice, report, message, letter, poster, advertisement, write-up, profile, biography, essay, story, Quran and Hadith, narration etc.
- Pedagogic Analysis of language elements: grammar, vocabulary, structures, rhetoric & prosody etc.
- Pedagogic Analysis of Arabic Text Books prescribed for the State Schools of Kerala From 6th std to 12th std
- Techno Pedagogic Content Knowledge Analysis (TPCKA)
- Inter relationship of Content Knowledge, Pedagogical Knowledge ,Technological Knowledge

- Scope and challenges of TPCKA in Arabic language Teaching
- Teacher as a techno pedagogue
- Knowledge generation/ production
- Use of web based resources for TPCKA
- TPCK based content Analysis of selected units of TB of Secondary schools
- Critical Analysis of Arabic H B& TB for viii th to x th std of the state schools

20 hours

Unit II

Aims and objectives of teaching Arabic language

- Aims and Objectives of Teaching and learning Languages
- Socio- cultural & utilitarian aims
- Principles of Language Learning
- Objective Based Instruction
- Bloom's Taxonomy of Educational Objectives (original & revised)
- Objectives and Specifications
- Process Oriented Teaching and learning
- Outcome based Learning (OBL)
- Developing communicative competencies
- Addressing learner sensibilities and abilities
- Aims and Objectives of Teaching and learning Arabic Language

15 hours

Unit III

Essential requirements for teaching Arabic language

- Application of ICT skills, Black Board, White Board, & Interactive Board
- Planning in Teaching :Importance of planning in teaching
- Objectives of Planning, Different levels of Planning :
- Year plan, Unit plan, lesson plan
- Planning and designing of lesson templates
- Steps involved in preparing lesson template
- Designing lesson templates for different language discourses& language elements
- Models of Teaching: Basic Concepts, families and Properties:
 - Syntax, Social System, support system, principles of reaction, Instructional & nurturant effects
- Designs based on different models of teaching :
 - Concept Attainment Model, Advance Organizer Model, Syntetic Model

20 hours

Unit IV

Resources in teaching and learning of arabic language

- Teaching Learning Materials : Psychological Bases
- Teaching aids: its design and development
- Audio, video, audio-video, Graphic and improvised aids, Projected and non projected aids
- Animated and digital aids, Language Lab, Multi media aids
- Library: importance of library ,types of library
- Activity Aids: Jamaiyathul Arabiyya al adabiyya, nadiyathu lluga, majallathul arabiyya wal jidariyya
- wa nuskhiiyya, idaathul arabIyya, ialanathul arabiyya, maharjan al adabil arabi, al thaaleef wa thasdeer
- Wassahafa, al mushaira, al siyaha al dirasiyya, zawiyathul qiraa etc.
- Teaching learning resources:TB& HB, its characteristics and qualities
- Other resources: Supplementary Readers, Local Text, live Text, static text etc.
- Resource Mapping
- E- Learning and e teaching:
- Digital text books, Digital library & other online resources
- Designing of Digital text books , e-books and its application
- Adopting down loaded resources for teaching Arabic
- M-learning: smart phones as learning devices and its scope

20 hours

Unit V

Curriculum design in Arabic language education

- Curriculum: Meaning, Definition and principles
- Approaches to curriculum construction
Curriculum and syllabus, Types of Curriculum, language curriculum
Criteria for selecting curriculum content
- Modern Trends in Curriculum Construction:
Life Centered- Learner centered, - Activity centered, Issue Based, problem pausing,
Process oriented

15 hours

Unit VI

Assessment in Arabic Language Education

- Assessment / evaluation in teaching and learning
Assessment of learner achievement
Objectives of assessment, Tools& Types ;formative and summative
Continuous Evaluation, comprehensives evaluation, Continuous and comprehensive evaluation
Construction and administration of achievement tests
Diagnostic tests and Remedial teaching
Marking and Grading, Grading indicators
- Assessment using ICT
- Development of online tests
Preparation and use online tests and its application
Student evaluation: Self evaluation, Peer evaluation

- Preparation of scoring indicators for CE and CCE
- Assessment Rubrics

10 hours

MODE OF TRANSACTION

Lecture, Demonstration, Discussion, Seminar, Assignment, Reading and Reflection

TASK AND ASSIGNMENTS

- 1- Techno pedagogic content knowledge analysis of a unit each from standard VIII to XII of Kerala School Arabic Text books
- 2- Preparation of a manuscript magazine in Arabic language that may be used as a supplementary reader at Secondary Level.

REFERENCES:

- Al Muallim al Najih:, Dr. Abdullah al Amiri, Dar al shamil Al Nashir wa thouzee'a
 Thatweeru Adai -al Muallim; kifayathu thaaleem wa thahleel al muthawasila : Hashim Uwaidha, Dar al Ilm al Malayeen , Labanan
 Thaaleemu al lugha al arabiyya baina nadriyya wa thathbeeq: Dr Hasan Al Shahatha, Dar Misriyya wa llubnaniya
 Mushkilathu thaaleemu llughal Arbiyya: Abbas M ahmood ; Dar alsaqafa, Qatar
 Thareeqathu Thadreesi Wa strateejiiyyathuhu: Dr Muhammed Mahmmud al Haila, Dar Al Kitab Al Jamia, Al ain, UAE
 Al Mawajja Al Fanni
 "Thuruqu thadreesu lluathil arabiyya[1996]"Dr jodath arrukabi dimascus : darul fkr
 "Ilmu nnafsi tharbaviyyi" Dr abdul majeed nashvathi : muassasathu rrisalath
 "Models of teaching" Bruce choice and marsha veil prentice hall;New Delhi
 "Txonomy of Educational objectives " Bloom Benjamin :BOOK1 the cognitive domain David me kay Co inc New York
 "Teaching language as communication" Widdoson H(1978); Oxford university press .
 "Language teaching and Bilingual Methord" Dodson CJ (1967) Pitman: New York

EDU 09.2 PEDAGOGIC PRACTICES IN ENGLISH

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80,

Internal: 20)

COURSE OBJECTIVES

- To apply various methods and approaches of teaching English.
- To familiarize different audio-visual aids in teaching of English.
- To analyse the course books in English.
- To know the need and importance of planning of instruction.
- To understand the process of evaluation in English language.
- To acquaint with library resources.

COURSE CONTENT

Unit I

To understand the various methods and approaches of teaching English

Methods, approaches, techniques of teaching English

Methods – Grammar translation, Direct, Bi-lingual, Dr. West method. Approaches – Structural, Situational, SOS, Humanistic, Communicative, Whole language -- Features of each method, approach and limitations

20 hours

Unit II

To familiarize different audio-visual aids in teaching of English

Audio visual aids

Importance and their limitations- Pictures, AudioCDs, realia, flashcards, flip charts, language lab , models, video clipping, films, documentaries, cartoons, advertisements, newspaper cutting , various IT resources.

15 hours

Unit III

To analyse the course books in English

Pedagogical Analysis and Content analysis

Pedagogical Analysis of Course Book : Varieties of literature –Intensive and Extensive readers

Content Analysis –meaning, objectives and advantages

Teaching of Prose- Types of prose, Literary side, Steps of planning a lesson on Prose -- Central idea, Vocabulary-- active and passive, Discourses, Functions.

Teaching of Poetry -Central idea, Poetic words / expressions, Poetic usages, Poetic techniques, Develop Literary Appreciation

Teaching of Composition -types of composition : guided and free

Pedagogy and Andragogy

(20 hours)

Unit IV

To know the need and importance of planning

Planning of instruction

Planning -need and importance ; types of planning -year plan, unit plan, lesson plan

Herbertian steps of planning and Glover plan

Preparation of lesson plans for prose and poetry from behaviourism to latest followed in schools

(20 hours)

Unit V

To understand the process of evaluation in English language

Evaluation in language

Oral and written test -Importance of essay type -CCE -Grading -evaluation criteria for various discourses -Preparation of Test design and Blue- print for language evaluation-Remedial teaching -Preparation of Port-folio at the end of a course-Editing Text books, thematic editing, content editing, grammatical editing, and transcreation.

(15 hours)

Unit VI

To acquaint with library resources

Library

Importance, e- library, infolibnet, ELT journals

10 hours

MODE OF TRANSACTION

Lecture method, discussion, seminars, symposium, face to face communication, IT based learning, blended learning, community participation

TASK AND ASSIGNMENTS

1. Preparing lesson plans for teaching prose and poetry
2. Preparation of portfolio at the end

EDU 09.3 PEDAGOGIC PRACTICES IN HINDI

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the aims and objectives of teaching Hindi.
2. To develop and practice different teaching skills.
3. To develop the ability for planning the instruction strategies
4. To develop the ability to design suitable teaching, learning materials in Hindi.
5. To familiarize the principles of organizing curriculum.
6. To develop the ability to critically analysis the textbooks in Hindi prescribed at secondary school level
7. To analyze and improve the individual capacities like class room management, discipline, etc.
8. To familiarize the action research strategies.
9. To understand the evaluation techniques.
10. To develop the ability to prepare the objective based test items.

COURSE CONTENT

UNIT I

Back Ground of Hindi Teaching

- Principles of language teaching
- Maxims of language teaching
- Different methods of language teaching

10hours

Unit II

Structure of language and language skills

- Listening-speaking-reading-writing.
- Grammatical forms and structure of language

10 hours

Unit III

Instructional planning and designing

- Lesson planning – Introduction – developing skills – types of learning experiences.
- Unit plan, year plan and teaching manual
- Opportunity for rectifying and modifying teaching skills by healthy criticism and video recording.

20 hours

Unit IV

Evaluation of classroom practices

- Opportunity of self-reflection – self-evaluation – peer evaluation
- Teacher evaluation of class room.
- Solving of real class room problems

15 hours

Unit V

Models of teaching

- Concept – definition p dimensions and classification of models.
- Types and families of models.
- Designing of important models that can be effectively used in language learning.

15 hours

MODE OF TRANSACTION

Lecture, Demonstration, Discussion, Reading and Reflection

TASKS AND ASSIGNMENTS (any two of the following)

1. Write various discussion lessons in various strategies – demonstration – criticism lessons according to constructivist pattern
2. Analysis of Hindi text book at secondary stage.
3. Conduct an action research on problem faced by the student teacher
4. Preparation of mark sheet and grade list with class wise and school wise performance analysis using spread sheets.

EDU 09.4 PEDAGOGIC PRACTICES IN MALAYALAM

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

The teacher candidates

1. assimilate the purpose of analyzing the subject to be taught by applying pedagogic principles
2. understand basic theories in language acquisition
3. understand the need of planning in teaching
4. familiarize wit micro teaching
5. understand the importance of resource materials for teaching and learning

6. understand the importance of evaluation

COURSE CONTENT

Unit –I

Pedagogic analysis

- Meaning, Importance, Steps and Scope of pedagogic analysis
- Analysis of learning objectives/learning outcomes
- Pedagogic analysis of text book of 8 to 12 standards
- Content analysis- meaning and process
- Gender analysis

15hours

Unit –II

Modern Theories of teaching

- Constructivism- meaning and characteristics
- Cognitive and Social constructivism
- Theories of Piaget, Bruner, Vygotsky, Norm Chomsky and Gardner
- Critical pedagogy

10 hours

Unit –IV Methods, Techniques and Strategies of teaching Malayalam

- Meaning of methods of teaching Malayalam
- Lecturer method, Discussion method, Project method, Problem solving method, Assign method and inductive and deductive method
- Merit, Demerit and Role of teacher in each method
- Meaning and purpose of techniques in teaching
- Role play, Simulation, Dramatization and Brainstorming
- Merits, Demerits and Role of teacher in each technique
- Meaning and purpose of strategy
- Cooperative/Collaborative learning, Peer tutoring, Reflective learning and Experiential learning strategies.
- Merit, Demerit and Role of teacher in each strategy
- Different discourses used in language learning
- Models of Teaching- meaning and characteristics
- Concept Attainment Model and Synetics Model

25hours

Unit –IV

Planning in teaching

- Need and importance of planning
- Year plan, Unit plan and Lesson plan
- Lesson plan in behaviorism and constructivism

20 hours

Unit –V

Teaching learning resources in Malayalam teaching

- Text books, Resource units, periodicals and handouts etc.

- Dictionaries
- Different community resources
- Library and Language lab
- Audio-visual aids for language teaching

10 hours

Unit –VI

Assessing the Learner

- Construction and administration of Achievement test and Diagnostic test
- Evaluation of Language skills
- Evaluation criteria for different learning activities and discourses

10 hours

MODE OF TRANSACTION

Lecturer method, discussion, seminar, work shops

TASKS AND ASSIGNMENTS

1. Prepare an Achievement test and a diagnostic test
2. Analysis of Malayalam text book of X Std.

EDU09.5 PEDAGOGIC PRACTICES IN SANSKRIT

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the school text books of Sanskrit
2. To understand about the different teaching learning processes in Sanskrit
3. To understand about preparing various types of lesson plans
4. To understand about the resources in Sanskrit

Unit I

Pedagogic Analysis

- Pedagogic analysis of Sanskrit text books -one to twelve of Kerala State

25 Hours

UNIT II

Aims and Objectives of Sanskrit Teaching

- Blooms taxonomy- Revised Bloom's Taxonomy, Objective based learning, Issue based learning,
- Activity based learning, Process oriented learning, and Outcome oriented learning

25 hours

Unit III

Planning of Instruction

- Planning- Year plan, Unit plan, Modular plan, various types of lesson transcripts

15 Hours

Unit IV

Resources of Sanskrit

- Resources of Sanskrit- Kavya, Katha, Drama, Subhashitha etc.

MODE OF TRANSACTION

Lecture, Discussion, Seminar, Reading and Reflection

TASKS AND ASSIGNMENT

1. Write Sanskrit text book analysis of any standard
2. Prepare a report about any resources of a high school unit

EDU 09.6 PEDAGOGIC PRACTICES IN TAMIL

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

The student teacher:

1. Familiarizes with the different dimensions of Pedagogic Analysis.
2. Develops an understanding of Aims, objectives and specifications for teaching Tamil Language.
3. Familiarizes the procedure and steps for planning different kinds of lesson.
4. Acquaints with Planning of instruction
5. Develops an ability to employ different skills for transaction of content in the classroom.
6. Analyzes Secondary Course Books and identifies suitable strategies for transacting content.
7. Explores ways of designing appropriate learning aids.
8. Identifies suitable strategies for assessment and evaluation

Unit I

Aims and Objectives of Teaching Tamil

- General aims of teaching Tamil. a. Taxonomy of educational objectives, Bloom's Taxonomy, Revised Bloom's Taxonomy, Objectives of teaching Tamil.
- Cognitive, affective and psychomotor domains- Specific objectives of teaching Tamil.

15 hours

Unit II

Trends in Tamil Teaching

- NCF-2005, KCF 2007-Issue based curriculum, Critical Pedagogy

15 hours

Unit III

Pedagogic Analysis

- Pedagogic analysis of Tamil content of 8th and 9th standard, Kerala State into terms, facts, concepts etc. Pedagogic analysis of standard 8th Tamil text book

25 hours

Unit IV

Planning of Instruction

- Need and importance of planning
- Levels of planning-year plan, Unit plan, Lesson plan.
- Modern trends in planning instruction - Behaviourist and constructionist model of planning.

20 Hours

Unit V

Curriculum, Models of Teaching and Evaluation

- Meaning and scope of curriculum construction a. Importance of curriculum construction b. Changing concept of curriculum and syllabus. Teacher as a curriculum developer. Library & its uses Language Lab, IT enabled education
- Models of teaching-Concept Attainment model, Advance organizer model, Inductive thinking model.
- Continuous comprehensive evaluation, system of grading a. Different types of test items Construction of Achievement test and diagnostic tests

25 hours

MODE OF TRANSACTION

Lecture, Discussion, Reading and Reflection, Seminar

TASKS AND ASSIGNMENTS

1. Preparation and administration of a diagnostic test and a remedial lesson after its analysis
2. Preparation of mark sheet and grade list with class wise performance analysis using spread sheets.

EDU.09.7 PEDAGOGIC PRACTICES IN URDU

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the aims & objectives of teaching Urdu
2. To acquaint with the principles of language teaching.
3. To develop skills for effective teaching
4. To understand and do the pedagogic analysis of Urdu of 8 & 9 th standard.
5. To acquaint with the planning of instruction.
6. To understand the evaluation techniques and prepare objective based test items as per the existing state syllabus pattern in Urdu
7. To acquaint with the use of library

COURSE CONTENT

Unit I

Aims and Objectives of Teaching Urdu

- Aims of teaching Urdu. Objectives-types of objectives .Objectives of teaching Urdu at secondary level.
- Taxonomy of educational objectives
- Philosophical, psychological, sociological & technological principles of language teaching

(10 hours)

Unit II

Curriculum and Resources of Urdu

- Curriculum and Resources of Urdu—meaning, types. Principles of curriculum construction. Nature of language curriculum. Syllabus—types of syllabus—features and limitations.
- Compare the styles of organisation of curriculum in IX std. text book.
- Course books, qualities of a good course book. Source books—work book. Supplementary reader—types. E-book, CD's etc.

20 hours

Unit III

Pedagogic Analysis

- Pedagogy & Andragogy.
- Content analysis –Pedagogic analysis— objectives & components.
- pedagogic analysis of Urdu of 8th & 9th standard.

(25 hours)

Unit IV

Planning of Instruction

- Importance of planning—year plan, unit plan, lesson plan.
- Steps of lesson plan.
- Types of planning—behaviourist, constructivist--prose & poem.

(20 hours) .

UNIT V

Resources of Teaching

- Audio-visual aids—Radio, TV, Tape recorder, OHP, Computer, Language lab, Video clippings, pictures, charts, flashcards , models etc. Importance of library in language learning.
- E-library, Inlibnet. Principles of selecting language books.

(15 hours)

Unit VI

Evaluation

- Evaluation - Different types of test items - merits and demerits.
- Construction and administration of Achievement tests.
- Continuous and Comprehensive Evaluation,
- Diagnosis and remediation - Diagnostic test-importance-process of construction –
- Remedial teaching— meaning.
- Grading—importance & types

(10 hours)

MODE OF TRANSACTION

Lecture, Discussion, Seminar, Reading and Reflection

TASKS AND ASSIGNMENTS

1. Preparation and administration of a diagnostic test and a remedial lesson after its analysis
2. Analysis of Urdu text book of IX Std.

EDU 09.8 PEDAGOGIC PRACTICES IN COMMERCE

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the pedagogy of Business studies and Accountancy of 11th and 12th standard
2. To develop skill in analysing the content of higher secondary commerce text book
3. To acquaint with planning of instruction
4. To understand the theoretical bases of constructivism and behaviourism
5. To provide familiarization with Teaching Learning Materials in Commerce
6. To acquire and develop the abilities to prepare and use appropriate instructional aids and
 - a. materials for teaching commerce and accountancy
7. To intertwine models of teaching for understanding the concepts of business studies and accountancy
8. To understand the evaluation techniques and prepare test items as per the existing state syllabus pattern in Business studies and Accountancy

COURSE CONTENT

Unit 1

Pedagogic Analysis of Commerce Subjects

(20 Hours)

- Pedagogic Analysis - Meaning, Importance, Steps and Scope
- Content Analysis - Meaning and Process-Terms, Facts, Concepts, Principles, Theory, Process
- Analysis of Business studies and Accountancy of plus one and plus two of Kerala state

Unit II

Planning of Instruction

(25 Hours)

- Meaning, importance and steps in Year Planning, Unit planning and Lesson Planning, Herbartian approach and Evaluation approach
- Resource Unit, Meaning and purpose.
- Theoretical base of Behaviourism
- Theoretical base of Constructivism- Piaget, Bruner, Vygotsky, Gardner
- Critical Pedagogy- Problem Posing Education
- Lesson Planning in Constructivist approach

Unit III

Teaching –learning Resources in Commerce

(20 Hours)

- People as resource: The significance of oral data

- Primary and secondary sources: Field visits, textual materials, journals, magazines, newspapers etc.
- Community resources and ways of utilizing community resources
- Commerce Library-importance
- Commerce Textbook-qualities and functions, Criteria for selection-Textbook review.
- Workbooks, handbooks and reference materials
- Supplementary materials in Commerce- Need and Importance – Source Documents used in teaching of commerce subjects
- Audio-Visual aids –Projected aids, Non Projected aids and Activity aids.
- ICT enabled lesson planning

Unit IV

Models of Teaching in Commerce

(15 Hours)

- Meaning and definition of Models of Teaching
- Families of Models of Teaching
- Basic Elements to describe a Model
- Concept Attainment Model
- Advance Organizer Model
- Jurisprudential Inquiry Model

Unit V

Assessing the Learner

(20 Hours)

- Types of test items-merits and Demerits- prepare various types of test items from accountancy and business studies
- Construction and administration of Achievement tests
- Construction and administration of Diagnostic tests

MODE OF TRANSACTION

Lecture, Discussion, Group work and Project, Assignment, Seminar, Debate

TASKS AND ASSIGNMENTS (20 Marks)

1. Preparation of Resource Unit for any unit from Accountancy and Business Studies
2. Prepare Question Bank based on revised blooms taxonomy for various type of test items either from accountancy or from business studies

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- Higher secondary business studies and accountancy text book (Plus 1 & Plus 2)

EDU 09.9 PEDAGOGIC PRACTICES IN COMPUTER SCIENCE

Contact Hours: 100 (Instruction) Maximum Marks: 100 (External: 80, Internal: 20))

COURSE OBJECTIVES

1. To have a hands on competency in preparing pedagogic analysis of computer science
2. To acquaint with Planning of instruction
3. To acquaint with Planning of laboratory activities
4. To provide familiarization with IT resources for teaching and learning computer science
5. To develop ability to prepare lesson transcripts based on models of Teaching
6. To understand the Evaluation techniques and prepare Achievement Test / Laboratory tests as per the existing state syllabus pattern in Computer science

COURSECONTENT

Unit 1

Pedagogic analysis

- Meaning and Definition
- Need and objectives of pedagogic analysis
- Stages and steps of pedagogic analysis
- Analysis of learning objectives/learning out comes
- Content analysis- Meaning ,Importance, Elements and Methods of Content analysis
- Constructivist Learning Design and Critical pedagogy in computer science Classroom
- Selecting and Sequencing learning activities

- Inclusion of diverse needs of the learner

(25 Hours)

Unit II

Planning of Instruction

- Needs and importance of planning
- Levels of planning – year plan, unit plan and lesson plan
- Lesson plan/ Teaching manual– meaning, need and characteristics
- Steps of lesson planning
- Constructivist Lesson Planning
- Digital lesson Plan.

(20 Hours)

Unit III

Resources of teaching and learning computer sciences

- ICT Text books and digital interactive textbooks
- Work book and hand book/Teacher text
- Electronic resources and Reference materials
- Web based resources: Online directories, encyclopaedias, etc.
- Online activities: Online assignments, online quizzes/tests, wiki editing, chat rooms, discussion forums, etc.
- Need for planning the computer laboratory – setting up a computer lab. Essential infrastructure – LAN topologies – Wifi and Lifi – advantages of using a LAN – Laboratory management – Lab. Routine for Pupils – arranging for pupils practical – maintenance of records.
- IT club

(25 Hours)

Unit IV

Models of Teaching in Computer Sciences

- Meaning and definition of Models of Teaching
- Families of Models of Teaching
- Basic Elements to describe a Model
- Concept Attainment Model
- Jurisprudential Inquiry Model

(15 hours)

Unit V

Evaluation in Computer Science

- Construction of Achievement test – Preparing design, Blueprint, item writing and editing etc.
- Writing different types of test items- Objective, Short answer and Essay
- Writing higher order test items
- Construction and administration of Diagnostic Test
- Continuous and Comprehensive Evaluation, Evaluation Criteria for Assignment, Seminar and Project. Evaluation of Non Cognitive Areas.

(15 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

1. Pedagogic Analysis of unit of XII std.
2. Preparation of IT Resource for one unit from XII.
3. Prepare Question Bank based on revised blooms taxonomy for various types of test items from XI std.
4. Prepare a Year plan, Unit plan and a Lesson Plan for a Secondary level Computer Science Text book

EDU 09.10 PEDAGOGIC PRACTICES IN MATHEMATICS

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the pedagogic analysis of Mathematics and develop competency in analysing various topics in mathematics pedagogically.
2. To develop understanding about planning of instruction
3. To make proficient in planning lessons based on the select models of teaching.
4. To familiarise with various resources for teaching/ learning mathematics
5. To understand the evaluation techniques and tools for assessing the learner comprehensively.
6. To develop competency in developing Achievement and Diagnostic tests in mathematics.
7. To make proficient in interpreting test results and remediation.

Unit I

Pedagogic Analysis

(20 Hours)

- Pedagogic analysis- Meaning, importance, steps
- Pedagogic analysis of various topics in mathematics at various level of Schooling— Arithmetic, Algebra, Trigonometry, Statistics and Probability, etc.- listing objectives, pre requisites, resources, strategies for teaching, evaluation strategies etc.

Unit II.

Planning for Instruction

(24 Hours)

- Stages of planning instruction- year plan, unit plan, lesson plan- importance and steps
- Planning of lessons in constructivist format and behaviourist format
- Implication of theories of Piaget, Bruner and Gagne in Mathematics teaching

Unit III.

Models of Teaching

(16 Hours)

- Models of teaching- meaning, definitions, characteristics
- Families of models of teaching
- Concept attainment model, Inquiry training model, Inductive thinking model- theoretical orientation, criteria for selecting a model for Mathematics teaching and lesson planning

Unit IV

Resources in Mathematics Education

(20 Hours)

- Text books, hand books/teacher texts, work books, reference books, supplementary readers- Need and importance of each.
- Audio- visual aids, Improvised aids- Meaning and importance.
- Familiarising programmes for teaching mathematics in Edubuntu (Practical oriented)
- Mathematics lab- importance, organisation and equipments.
- Mathematics library- role, organisation and effective functioning

Unit V

Assessment for Mathematics Learning

(20 Hours)

- Continuous and Comprehensive Evaluation in mathematics learning.
- Formal and informal tools/techniques for evaluating mathematics learning
- Formal: Achievement test, diagnostic test, observation, rating scale, checklist
- Informal assessment strategies: Application cards, exit cards, graphic organisers, guided reciprocal peer questioning.
- Construction of achievement and diagnostic tests- steps-types of questions (construction, merits & demerits of each) - interpretation of test results, diagnosis and remedial measures

MODE OF TRANSACTION

Lecture cum Discussion, assignment, demonstration, Small group discussion

TASK AND ASSIGNMENTS

1. Prepare a year plan for teaching Mathematics based on 8th / 9th standard text book in Kerala.

2. Prepare a work book on any unit in Mathematics of 9th standard

EDU 09.11 PEDAGOGIC PRACTICES IN NATURAL SCIENCE

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To understand the Aims and Objectives of Teaching Science
2. To understand and practice the pedagogic analysis of 8th, 9th and 10th Biology.
3. To acquaint with the co-curricular activities in Science.
4. To have a hands-on approach in organizing and maintaining library and laboratory in science.
5. Identifying the various resources for biology teaching
6. To understand the Evaluation techniques and prepare objective based test items as per the existing state syllabus pattern in Science.

Unit I

Aims and Objectives of Teaching Science

- Aims and Objectives of teaching Natural Science.
- Broad National Goals.
- Taxonomy of educational objectives-Bloom's Taxonomy
- cognitive affective and psychomotor domains
- Revised Bloom's Taxonomy,
- Mc Cormack & Yager Taxonomy. Process skills in Science at secondary stage, Developing process skills in students.

(22 Hours)

Unit II

Pedagogic Analysis

- Pedagogic Analysis- A conceptual overview, Steps involved in Pedagogic Analysis
- Pedagogic Analysis of the Biology content portions of 8th and 9th standard textbooks of Kerala state.
- Analysis of learning objectives/Learning outcomes.
- Content analysis- meaning and steps involved in content analysis

(22 Hours)

Unit III

Planning of instruction

- Objective Based Instruction-interdependence of objectives, learning experience, and evaluation
- Planning of Instruction-Year Plan, Unit Plan, Resource Unit .Lesson planning – Need, Stages (Herbartian steps)
- Lesson plan preparation based on The Constructivist format and Behaviourist format

(20 Hours)

Unit IV

Resources in Teaching Science

- Resource materials in teaching Natural Science-Syllabus, Textbooks, Work Book, Teachers handbook, reference books, supplementary readers. Teaching aids. Biological drawings, specimens, video, power point presentation Laboratory and its organization, purchase and maintenance of chemicals, apparatus and equipments. Laboratory rules, accidents in the laboratory, precautions and First Aid. Science library and its organization.
- Co-curricular activities - organization of field trips and study tours, their importance. Science Club - its pattern, organization and activities such as Science fairs, Science exhibition, Science debates, Nature rambling, Nature calendar. Educational implication of science library and science laboratory Role of experiments in science

(20 Hours)

Unit V

Evaluation in Science

- Evaluation - Different types of test items - merits and demerits. Construction and administration of Achievement tests and Diagnostic tests.
- Continuous and Comprehensive Evaluation, Evaluation Criteria for Assignment, Seminar and Project- Evaluation of non-cognitive areas like creativity, skill, and interest.

(16 Hours)

MODE OF TRANSACTION

Lecture, Demonstration, Seminar, Assignments

TASK AND ASSIGNMENTS

1. Construct a work book on any one unit in Biology of VIII standard.
2. Construct a Diagnostic Test on topic of your choice and administer it in school class.

Interpret the test and report

EDU 09.12 PEDAGOGIC PRACTICES IN PHYSICAL SCIENCE

Contact Hours: 100 (Instruction)

Maximum Marks: 100 (External: 80, Internal: 20)

COURSE OBJECTIVES

1. To have a hands on competency in preparing pedagogic analysis of physical science
2. To acquaint with Planning of instruction
3. To provide familiarization with resources for teaching and learning physical science
4. To develop ability to prepare lesson transcripts based on models of Teaching

5. To understand the Evaluation techniques and prepare Achievement Test as per the existing state syllabus pattern in Physical science

COURSECONTENT

Unit 1

Pedagogic analysis

- Meaning and Definition
- Need and objectives of pedagogic analysis
- Stages and steps of pedagogic analysis
- Analysis of learning objectives/learning out comes
- Content analysis- Meaning ,Importance, Elements and Methods of Content analysis
- Constructivist Learning Design
- Critical pedagogy and physical science Classroom
- Selecting and Sequencing learning activities
- Inclusion of diverse needs of the learner
- Recent changes in physical science Teaching in the state of Kerala

(25 Hours)

Unit II

Planning of Instruction

- Needs and importance of planning
- Levels of planning – year plan, unit plan and lesson plan
- Lesson plan/ Teaching manual– meaning, need and characteristics
- Steps of lesson planning
- Constructivist Lesson Planning

(20 Hours)

Unit III

Resources of teaching and learning physical sciences

- Physical science Text book
- Work book and hand book/Teacher text
- Reference materials and supplementary readings
- Audio visual technology and mass media
- Physical science Laboratory and its organization, purchase and maintenance of chemicals, apparatus and equipments. Laboratory rules, accidents in the laboratory, precautions and First Aid
- Science library and its organization.
- Teaching Aids, Improvised apparatus, Essential audiovisual aids
- Physical science club
- field trips and study tours, Science Club and activities such as science fairs, science exhibition, science debates.
- Community based resources- science exhibitions, fairs, science parks, museums

(25 Hours)

Unit IV

Models of Teaching in Physical Sciences

- Meaning and definition of Models of Teaching

- Families of Models of Teaching
- Basic Elements to describe a Model
- Concept Attainment Model
- Inquiry Training Model

(15 hours)

Unit V

Evaluation in Physical Science

- Test, evaluation, assessment
- Construction of Achievement test – Preparing design, Blueprint, item writing and editing etc.
- Writing different types of test items- Objective, Short answer and Essay
- Writing higher order test items
- Construction and administration of Diagnostic Test

(15 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS (Any Two)

- 1.** Pedagogic Analysis of unit of X std.
- 2.** Prepare a Year plan, Unit plan and a Lesson Plan for a Secondary level Physical Science Text book
- 3.** Prepare a lesson transcript based on any one model of teaching

EDU 09.13 PEDAGOGIC PRACTICES IN SOCIAL SCIENCE

**Contact Hours: 100 (Instruction)
20)**

Maximum Marks: 100 (External: 80, Internal:

COURSE OBJECTIVES

6. To have a hands on competency in preparing pedagogic analysis of social science
7. To acquaint with Planning of instruction
8. To provide familiarization with resources for teaching and learning social science
9. To develop ability to prepare lesson transcripts based on models of Teaching
10. To understand the Evaluation techniques and prepare Achievement Test as per the existing state syllabus pattern in Social science

COURSECONTENT

Unit 1

Pedagogic analysis

- Meaning and Definition
- Need and objectives of pedagogic analysis
- Stages and steps of pedagogic analysis
- Analysis of learning objectives/learning out comes
- Content analysis- Meaning ,Importance, Elements and Methods of Content analysis
- Constructivist Learning Design
- Critical pedagogy and social science Classroom
- Selecting and Sequencing learning activities
- Inclusion of diverse needs of the learner
- Recent changes in social science Teaching in the state of Kerala

(25 Hours)

Unit II

Planning of Instruction

- Needs and importance of planning
- Levels of planning – year plan, unit plan and lesson plan
- Lesson plan/ Teaching manual– meaning, need and characteristics
- Steps of lesson planning
- Constructivist Lesson Planning

(20 Hours)

Unit III

Resources of teaching and learning social sciences

- Social science Text book
- Work book and hand book/Teacher text
- Reference materials and supplementary readings
- Audio visual technology and mass media
- Community resources and ways of utilizing community resources
- Social science laboratory , Museum and Library
- Social science club
- Maps , Globes and Time line

(25 Hours)

Unit IV

Models of Teaching in Social Sciences

- Meaning and definition of Models of Teaching

- Families of Models of Teaching
- Basic Elements to describe a Model
- Concept Attainment Model
- Jurisprudential Inquiry Model

(15 hours)

Unit V

Evaluation in Social Science

- Construction of Achievement test – Preparing design, Blueprint, item writing and editing etc.
- Writing different types of test items- Objective, Short answer and Essay
- Writing higher order test items
- Construction and administration of Diagnostic Test

(15 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

- 4.** Pedagogic Analysis of unit of X std. Geography
- 5.** Prepare a Year plan, Unit plan and a Lesson Plan for a Secondary level Social Science Text book
- 6.** Prepare a lesson transcript based on any one model of teaching

SEMESTER II

B. .Practical Courses

EDU201.1 PEER DISCUSSION LESSONS (20 Hours- 20 Marks)

COURSE OBJECTIVES

1. To understand the concept and importance of Lesson Planning in classroom teaching
2. To strengthen the conceptions of lesson planning
3. To provide guidelines to you during teaching practice
4. To maintain the sequence of content presentation
5. To provide you a forum to discuss various facts of Lesson Planning
6. To develop attitude towards teaching
7. To prepare lesson plans on the basis of various approaches/methods of teaching
8. To discuss lesson plans with peers and teacher educators
9. To improve the competency of lesson planning

Student teachers shall prepare at least **8 discussion lesson plans** in constructivist format (VIII, IX & X)/XI & XII for trainees with PG) in groups and keep a record of them (**Contribution of ideas and participation in discussion=10 marks; Record of lessons=10 marks**)

EDU201.2 OBSERVATION LESSONS& FACULTY DEMONSTRATION LESSONS (10 Hours- 10 Marks)

COURSE OBJECTIVES

1. To observe teaching skills, and the participation of students in the lessons
2. To observe teacher/teaching behaviour in various teaching learning situations

a. Video lesson.

One Video Lesson of teacher educators/experts have to be observed by student-teachers individually or in groups and observation notes has to be prepared. **(2 marks)**

- ##### **b. Student-teachers should observe *Four* Demonstration lessons in constructivist format by teacher educators and school mentors. Observe demonstration classes only with observation schedules. Keep a report of the observations made during demonstration lessons. **(8 marks)****

EDU 201.3 CRITICISM LESSONS (30 Hours- 30 Marks)

COURSE OBJECTIVES

1. To provide opportunity for a macro lesson in practice
2. To develop the skill of structured observation of classroom teaching
3. To get experience of preparing lesson plans for classroom teaching
4. To provide opportunity for debating on teaching performance.
5. To pool feedback of all observers of a specific lessons.

Criticism classes should be arranged optional wise.

- i) Student teachers shall have dual role in this activity.
- ii) As performers they have to conduct a macro lesson for duration of 40 minutes in VIII or IX (X1 for commerce and Computer Science).
- iii) As observers they need to observe the Criticism Lessons taken by their peers.

- iv) A student teacher should observe and record criticisms of at least eight lessons (8) of his/her peers in the subject. For this purpose schedule of criticism classes and topics selected for them shall be published well in advance.
- v) Each student teacher shall prepare eight (8) lesson plans of the schedule and attend those criticism classes.
- vi) Observers will be permitted for criticism sessions only with self-prepared lesson plans.

If the number of student teachers in any optional falls below nine (9), repeat lessons should be conducted so as to enable all of them observe, record and debate eight criticisms lessons.

(Sharing of valid feedback and participation in the debate=15 marks; Teaching performance =5marks; Record of lessons and criticisms=10marks)

EDU 201.4 PREPARATION OF TEACHING –LEARNING MATERIALS (WORKSHOP) (20 Hours- 20 Marks)

COURSE OBJECTIVES

1. To nurture ideas of preparing relevant teaching aids for identified content areas
 2. To develop creative instincts
 3. To give chance for expression of ideas
 4. To develop feeling of conservation of thrown out materials
- (i) Improvisation/ Preparation of handmade teaching aids/ learning aids from locally available resources. Student teachers shall visualize relevant aids in their subject areas and bring necessary materials to the college and prepare two models/teaching aids in a workshop conducted for the purpose **(10 marks)**
 - (ii) Charts and other graphic aids: - Student teachers shall prepare charts, sketches, Symbols etc. in another workshop conducted for the purpose. 5 Charts- (Tabular Charts, Flow/Process charts. Tree charts. Flipcharts etc.) **(10 marks)**

EDU 201.5 INITIATORY SCHOOL EXPERIENCES (30 Hours- 20 Marks)

COURSE OBJECTIVES

1. To provide the student-teacher an opportunity to have primary experiences with the functioning of the school.
2. To develop conceptual understandings about teaching and learning in school environment
3. To validate the theoretical understandings developed through various foundation and pedagogy courses
4. To understand and develop meaningful learning sequences appropriate to the specificity of different levels of learning
5. To mobilize appropriate resources for them.

This school attachment programme is for a period of five continuous working days, giving them an opportunity to acquaint with the school environment and the day-to- day functioning.

Student teachers recognize

(i) School as an 'organized' Endeavour Functioning within a 'structure' with defined roles and responsibilities Internal arrangements for coordinated functioning-time table, work allocation,

differential responsibilities, planning and coordination procedures External liaison – with parents, community, authorities.

(ii) School as an ‘Enabling Learning Environment’- What ‘enables’ learning in schools? Nature of school environment; Learner perceptions; teacher perceptions; parental/community perceptions Nature of inter relationships between and among learners-teachers; teachers; teacher principal; parents-school; office-teachers-learners Nature of ‘impact’ generated in school

(iii) Classroom as a Learning Site - modalities, learning resources used, student reactions and any relevant related points

Observation of lessons of senior teachers individually or in small groups, meeting the students informally to learn their background and their interest in learning, seeing the learning facilities in the school, observing the social climate in the school etc., are some of the activities to be undertaken during this period. Each student-teacher has to engage 3 lessons individually or as shared practice. In shared practice, student-teachers will be in small groups of three members. The lessons will be divided into three parts and each student teacher will practice one of the parts by rotation in the natural classroom situation. Lesson plans need not be written with the rigidity as employed for Practice Teaching lesson. The student-teachers have to maintain a detailed diary as a record of the visit.

After the initiatory school experiences, a reflection session should be organized in the college. Institutions can depute the Optional teacher for organizing and assessment of initiatory school experiences. 100% attendance is compulsory

ASSESSMENT INDICATORS OF INITIATORY SCHOOL EXPERIENCE

	Components	Marks
1	Teaching performance as Shared Practice	4
2	Teaching performance through individual effort	4
3	Observation of 5 lessons of senior teachers + Observation report	4
4	Observing the social climate and learning facilities in the school	4
4	Maintenance of diary	4
	TOTAL	20

SEMESTER III

Practical Courses

EDU.301.SCHOOL INTERNSHIP (16 weeks- 260 Marks)

The Internship Program forms an integral and important component of B.Ed. programme; internship serves as a capstone experience that informs about and prepares them for the expectations of and how to succeed in the profession. Student teaching internships is an essential component for a student's success as a professional teacher. Student Teaching Internships provides students the opportunity to practice what has been learned on the university campus and, more importantly, it is an opportunity to continue academic and professional growth.

COURSE OBJECTIVES

1. To observe children and the teaching learning process in a systematic manner.
2. To understand the content and pedagogical principles, issues and problems related to teaching
3. To develop a repertoire of resources which can be used by the intern later in her teaching—textbooks, children's literature, activities, games, and excursions
4. To participate in teaching school subjects for the children of Class VI to X.
5. To experience the school in its totality

6. To assume the role of a regular teacher with appropriate planning taking into account the diverse needs of students and the varying contexts that impact the teaching learning process.
7. To acquire competencies and skills required for effective classroom teaching, class management and evaluation of student learning, organization of co-curricular activities, and working with the community
8. To be able to innovate within existing systemic limitation
9. To critically reflect on her own school experiences and keep records of the same.
10. To learn to assess different aspects of children's learning without a focus only on Achievement.
11. To develop proper professional attitudes, values and interests.
To familiarize with the existing educational scenario of the respective states.

The school internship is designed to enable the student-teachers to connect theory to practice and to help them acquire a perspective regarding the aims of education within which their previously acquired knowledge and practices can be systematized and structured to enable them to teach effectively.

The purpose of the internship programme is to provide the student (intern) with the opportunity of undergoing a meaningful experience as a practitioner. As conceived, the programme should be structured so that it is a partnership between the school and the college. The intern must function as a regular teacher and therefore be immersed in all aspects of the school.

During the school-internship the student teacher is expected to observe classroom teaching of mentors/ peers, to get insights into student behavior, instructional practices, student learning, learning environments and classroom management.

The student-teacher is expected to critically reflect and discuss these practices and engage in activities like maintenance of records and registers, preparation of lesson and unit plans using different artifacts

and technology, classroom management, activities related to school- community- parent interface, and reflections on self-development and professionalization of teaching practice. The other component of school-based activities to be carried out during internship is delivering the lessons/units of pedagogic courses.

The activities undertaken during the internship period will be presented in Portfolios and **Reflective Journals**. The student-teachers are expected to record their experiences, observations and conclusions regarding all the activities undertaken. . The intern is also expected to maintain a daily reflective journal in which the intern will reflect on her practice and also attempt to draw linkages between pedagogy and the theory courses s/he has studied. The major purpose of the Reflective Journal is Reflection on-Action. Reflective Journal would include a brief description of how the class was conducted, how learners responded, reflective statements about his preparedness for the class, responses to learners' questions, capacity to include learners sharing of their experiences, responses towards their errors, difficulties in comprehending new ideas and concepts, issues of discipline, organization and management of group, individual and group activities etc.

The internship will be organized for a continuous period of **16 weeks** in selected schools. Necessary orientation to the cooperating teachers and headmasters will be organized at the Institute. The School Internship Programme could include undertaking classroom-based research projects; developing and maintaining resources in the Internship schools, administering of diagnostic tests and identifying of learning difficulties, conducting a case study/action research, organizing curricular and co-curricular activities etc. The intern must create democratic ethos, where student autonomy is enhanced and all students are treated with fairness and with respect.

For each student-teacher, internship should be conducted preferably in one school for the entire 16 weeks. However, if the institute wants to provide an opportunity to understand the context of teaching in a government and private school or the dynamics of teaching at elementary and senior secondary levels, this period can be divided into two blocks. Internship may be arranged in two blocks in such a way that teaching in one school at a particular level (for example elementary or senior secondary) during one block, is followed by the teaching in another school or the same school at another level during the second block. Under any circumstances, the student-teacher should not be sent to more than two schools during her/his internship period. Graduate students can be assigned standards VI to X and for post graduates from VI to XII. Only those students having Post Graduate degree in the concerned Optional Subject are permitted to teach at Higher Secondary School level.

The intern will necessarily have supervisory support from the faculty in the form of subject supervision, who will also assess the intern. The intern will be required to develop unit plans for which she must choose and design appropriate activities. A record of these plans must be maintained. Assessment should be developmental in nature, with clear emphasis on growth of the intern. Assessment Evaluation of performance during internship will be done on the basis of assessment by institute supervisors, cooperating teachers, headmasters, records, reports and student activities/assignments. Post-internship Activities and Follow-up activities are to be taken up by the Institute.

GUIDELINES FOR SCHOOL INTERNSHIP

1. The internship is to be organized as a single block program for a continuous period of **16 weeks -80 days** in selected schools.
2. For each student-teacher, internship should be conducted preferably in **one school for the entire 16 weeks -80 days**
3. Students should be assigned classes in **any two different standards** that too in **two different levels viz. elementary, secondary or senior secondary**
4. For student-teachers, classes spread over **VI to X**.
5. For post graduate student-teachers, classes spread over **VI to XII**. (Only those students having Post Graduate degree in the concerned Optional Subject are permitted to teach at Higher Secondary School level.)
6. For student-teachers of Commerce and Computer Science, classes spread over **XI to XII**.

7. The continuous internship period of **16 weeks -80 days** is of two parts of 39 days and 40 days with an interim one day Mid Internship Reflection Session conducted in the Teacher Education Institutions.
8. Each student-teacher has to teach and record a minimum of **60 lessons** in the concerned Optional Subject- **not less than 30 lessons** in the first part (during the first 39 days) and **not less than 30 lessons** in the second part (during the next 40 days). Out of the 60 lessons each student-teacher has to include a minimum of **3 ICT enabled lessons**.
9. Lesson plans/Records have to be maintained by all student-teachers
10. During the school-internship the student teacher has to observe classroom teaching of mentors/ peers, and to record observations of not less than **10 lessons**
11. The activities undertaken during the internship period should be presented in Portfolios

The activities to be undertaken during the internship period are listed below

- Classroom teaching
- Observing classroom teaching of mentors/ peers,
- Lessons for Health & Physical Education-
- Preparation and administration of Diagnostic tests and identifying of learning difficulties (Appropriate remedial measures have to be adopted on the basis of the analysis of the Diagnostic test.)
- Preparation and administration of Achievement tests with quantitative and qualitative analysis of results
- Conducting a Case study/Action research
- Maintain a daily reflective journal
- Administration of any of the psychological tools like inventories, scales, projective techniques, Sociogram etc.
- Organizing Participating in the Co curricular activities of the school (like organizing / helping in sports, youth festival, blood donation camps, society beneficial programmes, PTA meetings etc.)
- Innovative work during Internship (undertaking conscientization programmes, Minor Project, etc.)
- Participation in organizing ‘Beyond the class Activities’ in the school (lab cleaning, club activities, participation in organizing programmes like quiz, seminar etc.)

Supervision of School Internship

The supervision of **Internship** is a joint responsibility of the Colleges of Teacher Education and Practice-Teaching Schools. Continuous observation and briefing is essential for improving the teaching skill of the novice teacher and for capacity building. Observation of 5 lessons (preferably at the beginning, middle and at the end of Internship) by the Optional teacher is mandatory.

The Teacher Educators have to observe **not less than 3 lessons** of each student-teacher in the first part and **not less than 2 lessons** in the second part and enter their suggestions in the **Supervision Diary** maintained by the student-teacher. Similarly the School supervisors/mentors

has to observe maximum number of classes and enter their suggestions in the Supervision Diary
 Assessment of Practice Teaching will be done on the basis of the given **Indicators for assessment of internship**

90% attendance in mandatory for Internship. There is no condonation for Internship

ASSESSMENT INDICATORS OF SCHOOL INTERNSHIP

	Teaching	Marks
1	Teaching performance as evaluated by the teacher educator	100
2	Improvement in teaching skills on the basis of feedback from the teacher educator.	10
3	Mentor evaluation report on the intern	10
Other interventions in the classroom		
4	Achievement test – scientific & robust blueprint, Quality questions, scoring , statistical interpretation and Ranking	10
5	Diagnostic testing and Remediation – systematic and robust planning and execution	10
6	Action research – systematic methodology	10
7	Administration of any of the psychological tools like inventories, scales, projective techniques, sociogram or any other.	05
Documents		
8	Observation report of classroom teaching of mentors/ peers	05
9	Record of lesson Plans	10
10	Audiovisual aids made by the intern (which are not ICT related)	05
12	Improvised apparatus and learning aids made by the intern	10
13	Student artifacts generated in the class room like <i>kai ezhuthu masika</i> , learning aids, charts, posters, albums etc.	10
14	Originality of reflective journal	10
ICT related expertise		
15	ICT related artifacts used for teaching as incorporated in lesson plans (to be stored in a CD/DVD etc for evidential support)	10
16	Richness and variety of the ICT related artifacts used for teaching as incorporated in lesson plans.	10
Liaison with school		
17	Participation of intern in the Co curricular activities of the school (like organizing / helping in sports, youth festival, blood donation camps, society beneficial programmes, PTA meetings etc.)	10

1 8	Beyond the class Activities of the intern in the school (lab cleaning, club activities, participation in organizing programmes like quiz, seminar etc.)	10
1 9	Any innovative programme organized by the trainee (if any) supported by an appreciation letter by the HM / Principal.	15
	TOTAL	260

EDU.302. COURSE ON *EPC 2: DRAMA AND ART IN EDUCATION* (30 Hours- 30 Marks)

Transformational education involves reflection, introspection and action, with a deep relationship between the head, heart and hand. The National Curricular Framework 2005 (NCF) reminds us that the school curriculum must integrate various domains of knowledge, so that the ‘curricular’ encompasses all, and is not separated from the co-curricular or extra-curricular. This has significant implications for the role of art, music and drama in education, to nurture children’s creativity and aesthetic sensibilities.

Learning is enhanced through Drama in Education which helps learners to extend their awareness, through multiple perspectives, to look at reality through fantasy, and to predict everyday situations in order to cope with unpredictable unsettling experiences. Drama in Education transcends the here and now, to travel through time - to the past, to the future, while it also allows us to freeze time. Thus we can live or relive moments and evoke or even recreate situations that can help us accept them better. Drama in Education is not merely doing theatrics or ‘acting’ in a superficial manner, but is for creating that ‘dramatic pressure’ or tension, where the student would arrive at a .problem or an understanding in a new way

The challenge is for prospective teachers to understand the medium, in order to transpose learners into a different time and space, to shape their consciousness through introspection and imagined collective experience. For instance, activities such as ‘hot seating’ can be used to raise critical questions addressed to characters from the textbook or those in history, to think about significant developments within diverse social contexts. This also helps to stretch the learner into areas of ‘discomfort’ and ‘confusion’, to then seek resolution, clarity and understanding. In the present context where children are growing up in starkly segregated environments, bounded by caste, class, religion or gender, drama must be used to potentially interrogate these categories - Who is the other? Why? How is the process of ‘othering’ happening in different lives? Mere moral sermons do not help build sensitivities. The ability to feel empathy for and relate with the other can be nurtured through drama based on experience, emotion and interpretation. It also gives opportunities for learners to recognize their agency, for transformational action. Drama as ‘critical pedagogy’ can move beyond the classroom, to invoke the collective consciousness and involve the community to participate in educational and social change. Teachers will need to

experience different genres of street theatre that continue to engage with life, through folk and contemporary traditions, improvising and critiquing, while mobilizing for transformative action

The course on Drama and Art in Education also helps in understanding the self and as a form of self-expression for enhancing creativity. The components of fine arts aim to develop aesthetic sensibilities in student-teachers and learn the use of art in teaching-learning. Student teachers will visit places of art, exhibitions and cultural festivals. Encouragement needs to be given to understand local culture and art forms and interpret art works, movies and other Media. Likewise other activities can be used to build trust and cooperation, the sense of responsibility, pursuing tasks collectively and exploring varied perspectives. Be it visual or performing, the practice of art deepens children's ability for perception, reflection and expression, providing them with alternative languages to experience and communicate subtle, diverse and unfamiliar territories, from human to the larger consciousness of nature. The challenge of teacher-educators lies not only in expanding the landscapes of children's art, but in also perceiving their world, their artistic processes and then from that sense of understanding, explore ways of assessing their work.

Suggested Tasks

Workshop for working with artists/artisans to learn basics of Arts and Crafts and understand its pedagogical significance. The Arts forms learnt during the course should be relevant to the student-teachers in their profession. Activities, such as drawing, and painting, clay modeling, pottery, mixed collage, woodcraft, toy making, theatre, puppetry, dance, music, etc. The focus of the workshops should be on how art forms can be used as tool/ method of teaching-learning of Languages, Social Sciences, Mathematics and Sciences. **(10 marks)**

Participation and performance in any one PERFORMING ARTS: DANCE, MUSIC, THEATRE AND PUPPETRY -of the Regional Arts forms keeping in mind the integrated approach **(6 marks)**

- Planning a stage-setting for a performance/presentation by the student-teacher. **(6marks)**
- Develop narratives in visuals, composition of an imagined situation, telling a story through comic strips **(8 marks)**

EDU.303 YOGA, HEALTH & PHYSICAL EDUCATION-II (30 Hours- 30 Marks)

III semester

30 marks Internal (30 hours)

EDU.303 HEALTH ,FITNESS & PHYSICAL EDUCATION- PRACTICAL II

1. Plan lesson for HRPF programme **7 marks**
2. Lesson plan on any one health and fitness education theory classes
(constructive approach) **7 marks**
3. Assisting/participation in annual athletic championship/intramural competitions **6 marks**
4. Yogic practices to improve flexibility, pranayama techniques, the sun salutation, **10 marks**

EDU.304. COMMUNITY LIVING CAMP (30 Hours- 30 Marks)

COURSE OBJECTIVES

1. To realize the aim of 'learning to live together'
2. To equip the students to live cooperatively in a society
3. To impart social values and skills (adjustment, sharing, tolerance, empathy etc.)
4. To impart personal values and skills (leadership, initiative, self-confidence, positive attitude, creativity etc.
5. To provide chances for democratic living, managing events, division of labour and dignity of labour.
6. To promote social accommodation and broaden the mental abilities of the student-teachers
7. To develop critical thinking about the issues related to the policies/approaches in Education
8. To inquire in to the cultural, social, scientific, educational and environmental aspects of a community
9. To manage events of various dimensions

All the colleges have to organize a **four-day** residential Community Living Camp in a convenient location of their choice. It is a joint camp of Student- Teachers and their Teacher Educators, keeping certain formalities and following a pre/well planned time table. Learning to live together co-operatively, participation in programmes for development of personal and social skills, practicing democratic living, providing chances for division of labour, community work etc., are the major outcomes expected of the programme. A record mentioning the objectives and all the activities have to be prepared and submitted by each Student Teacher. The report may also contain some photographs related to activity

Structure of a Report (Record) of Community Living Camp

- Community Living Camp- Introduction (need and significance)
- Main theme of the camp during the academic year
- Objectives
- Session wise details (objective of the session, programme/ activity, consolidation/ outcome with self assessment)
- Conclusion
- Appendix –
- Organizing committee - List of groups/ members - Responsibilities (group wise) (Maximum 10 page)

Organization of the camp

Select a theme related to Education, Society, Culture and Environment for each year by each institution for the Community Camp. Objectives should be framed on the basis of the theme and prepare a module for the camp.

Programmes suggested for community living camp: Social and educational Surveys, visit to social institutions to study their functioning, undertaking community productive work, campus cleaning/beautification/agriculture, undertaking duties in the camp including preparation /serving of food, attending classes/seminars/etc., participation in games and recreational activities, mock Parliament activities etc.

CRITERIA FOR ASSESSING COMMUNITY LIVING CAMP

	Criteria	Marks
1	Participation in planning and implementing educational activities during the camp	5
2	Participation in the creative/ expressive/ demonstrative/ presentation aspects of different sections	8
3	Leadership quality/ Democratic culture/ Social accommodation & adaptability/ Group working skill	6
4	Participation in the community related programmes/ activities	7
5	Comprehensiveness of report (Record)	4
	TOTAL	30

SEMESTER IV

A. Theory Courses

EDU 10-GENDER, SCHOOL AND SOCIETY

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To familiarize the concept of gender as a social construct
2. To identify important gender issues in schools and educational settings
3. To examine the recent issues associated with gender in school and society
4. To understand the inter-related functions of school and society

Unit I

Gender as a Social construct

- Gender- distinction between gender and sex
- gender role- in family, caste, religion and culture
- patriarchy and gender
- status of women in different ages, ancient, medieval and colonial
- gender sensitivity
- gender stereotyping
- feminist perspectives, radical and liberal

10 hours

Unit II

Gender Issues in schools

- Problems of women in contemporary India
- Experience of being a boy or girl- unequal access to education
- gender identity construction in school- distribution of roles and responsibilities in classroom and schools
- child rights violation among girls- role of schools, peers, teachers, curriculum ,text books classroom processes, and student-teacher interactions in challenging gender inequalities
- Working towards gender equality in the classroom

15 hours

Unit III

Recent Issues associated with Gender

- Schooling of Girls: Inequalities and resistances (issues of access, retention and exclusion).
- Safety at school, home and beyond- identification of sexual abuse/violence- verbalization of sexual abuse/violence-
- objectification of female body- propagation of popular beliefs through media- film, advertisements and songs- role of teachers, counselors, parents NGOs and other groups in reinforcing gender parity

15 hours

Unit IV – School and Society

- School as an agent of change- instrument of social change.
- Influence of type of management on the functioning of schools - Government, Aided, Un-aided and Minority, recognized and non-recognized schools.
- Role of School in a democratic Society- School as a miniature society, functions of schools in society.
- Responsibilities of society towards Education

10 hours

TRANSACTION MODE

Lecture method, Seminars, Small group discussions, Field survey/visit, Brainstorming sessions, Projects

TASKS AND ASSIGNMENTS

1. Collecting views from different newspapers on atrocities against girl students and prepare a report
- OR
2. Visit a school and conduct interview with teachers and parents on problem faced by girl students

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EDU. 11 EDUCATIONAL THOUGHTS AND PRACTICES

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

The course will enable you to

1. To analyse the thoughts on education philosophy of different thinkers
2. To acquaint with the nature of Indian society
3. To recognize the impact of modernization in the society
4. To analyse the relationship between democratic system of governance and education in view of the principles of Indian constitution
5. To understand the concept of curriculum and the factors influencing it
6. To acquaint with major trends in recent curricular revisions in India

Unit 1

Philosophical thoughts on Education

- Philosophical thoughts on Education of Swami Vivekananda, Mahatma Gandhi, Rabindranath Tagore, Sri Aurobindo, J. Krishnamoorthy
- Philosophical thoughts of Western thinkers - Plato, John Dewey, Rousseau, Paulo Freire
- Alternative thoughts – Illich, Reimer,

(10 hours)

Unit II

Education and Society

- Education and social change
- Social Change in India
- Modernization- Education and modernization
- Social mobility, Social stratification,
- Education and Culture - Cultural lag, Acculturation and Enculturation
- Multiculturalism
- Social control
- Education and National Development - Education and Economic Development

(10 hours)

Unit III

Constitutional provisions of Education

- Education and Democracy – National values enshrined in the constitution – concept of secularism, socialism, nationalism, internationalism, equality and their educational implications.
- Equality of educational opportunity. – Equality and Justice in the Indian Constitution, differential school system and the idea of common neighborhood school-
- Equity and equality, individual opportunity and social justice and dignity with special reference to the contributions of Dr. Ambedkar.

(10 hours)

Unit 4 Curriculum Development

- Curriculum- meaning and definition-
- Bases of curriculum- philosophical and sociological
- Types of curriculum
- Modern trends in curriculum development
- Issues in curriculum development

- Curriculum for generating knowledge
- Education for a knowledge society
- Curricular changes suggested by NPE 1986.
- Systematic curriculum reforms - NCF 2005.

(20 hours)

MODE OF TRANSACTION

Lecture, Discussion, Seminars, Document and Text analysis

TASKS AND ASSIGNMENT

1. Narrate the educational contribution of any one of the Indian/ Western philosopher
OR
2. Critical appraisal of Constitutional values as practiced in an Educational Institution

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EDU. 12 CREATING AN INCLUSIVE SCHOOL

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

This course will enable you to:

1. To explore the definition of ‘disability’ and ‘inclusion’ within an educational framework so as to identify the dominating threads that contribute to the psychosocial construct of disability and identity.
2. To identify ‘barriers to learning and participation’ related to school education.
3. To bring about an understanding of the ‘cultures, policies and practices’ that need to be addressed in order to create an inclusive school,
To appreciate inclusion as a ‘dynamic approach of responding positively to pupil diversity
4. To develop a disposition to see individual differences not as problems, but as opportunities for enriching learning.’
5. To equip with methods that promote the integration of students with disabilities in the normal schools
6. To interrogate own beliefs and also of school teachers, to see how those influence the implementation of inclusion.
7. To develop:
 - i. The conviction that all children can learn and grow;
 - ii. A firm belief in positive and varied outcomes;
 - iii. Realization that inclusion is a pedagogy that is ever evolving and constantly responding to the changing needs of learners;
 - iv. Practice of assessment that assesses skills and knowledge rather than content and that is open to a variety of assessment methods and time frames;
 - v. An inclusive environment that functions with the support and active participation of all - children, parents, community, teachers, administrators and policy makers
8. To observe educational institutions to identify of the ‘barriers to learning and participation’ and to help schools move towards positive practices, cultures and policies.

COURSE CONTENT

Unit I

Concept and Relevance of Inclusion

- Historical perspective of inclusive school
- Concept of inclusive school- Understanding the Difference: Inclusive, Integrated and Segregated Education
- definitions of mainstreaming and inclusion
- History of Special Education Policy and Inclusion in India- need and importance of inclusive school in view of Right to Education in India
- Inclusive schools as effective schools
- Barriers to inclusion- measures taken by GOI for Inclusive Education for Disabled at Secondary Stage (IEDSS)

(7 hours)

Unit II

Learner Diversity in schools

- Types of diversity (with reference to special issues in education)– gender – culture and language- marginalized- economic disparities- special ability groups
- Hearing Impairment, Visual Impairment, Physical Impairment - Motor and Mobility Impairments, Cerebral Palsy, Developmental / Intellectual Impairment, Down's Syndrome.
- Specific Learning Difficulties
- Other Impairments and Disabilities
- Social, Emotional and Behavioural Difficulties
- Multiple Impairment

(15 hours)

Unit III

Challenges in Inclusion

- Issues in Creating Inclusive Schools
- Common Features for Successful Inclusion
- characteristics of cultural and gender inclusion
- characteristics of inclusive learning friendly Environment
- Dealing with Diversity in the Classroom, Valuing and Encouraging Diversity ,Including Different Kinds of Thinking, Learning, and Bias in the Curriculum and Learning Materials
- Gender and Teaching
- Diversity and Disability
- HIV/AIDS and Discrimination

(8 hours)

Unit IV

Making Schools More Inclusive

- Organizational Supports for Change toward Inclusive Schooling-Promising Practices That Foster Inclusive Education- Access to the General Education Curriculum for All: The Universal Design Process- methods of involving parents and communities in schools- Need for Leadership and Collaboration in Developing Inclusive Schools-
- Classroom practices in Inclusive school

- Strategies for meeting diversity in the classrooms-Concept of resource teacher- Major Activities of resource teacher- the Collaborative teaching by regular and collaborative teachers- concept and method of Multilevel Instruction-Inclusive evaluation- (15 hours)

MODE OF TRANSACTION

Lecture, Discussion, School visits, Seminars, Debates

TASKS AND ASSIGNMENTS

Visit one school of your neighbourhood and Consider the following

1. Consider the special education and general education teachers in the school. Identify experiences and expertise that these teachers can offer to others as inclusive programs are developed or improved.
2. Reflect on your understanding of inclusion. How is your understanding similar to or different from other teachers and administrators in the school?
3. A recent school change or improvement effort undertaken by the school focusing on resistance was encountered during this effort and measures taken by the school to address this resistance?

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EDU13.1 PROFESSIONALISING ARABIC EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

The student teacher:

1. Familiarizing with the basics of teaching and teaching profession
2. Familiarize with the ways of professionalizing language education in a technological scenario
3. Acquaints with professional traits and competencies
4. Explores and practice infotainment activities in language
5. Enables to promote student effort in learning
6. Equips to manage diverse learner needs in language classes
7. Familiarizes with the ways of integrating ICT resources in teaching and evaluation
8. Develops interest in innovative practices in the field of Arabic Language Teaching and learning
9. Develops the ability to apply the ICT based resources for enhancing teacher effectiveness
10. Develops the professional and personal qualities

Unit I

Teacher as a reflective practitioner

- Teacher : Teaching Profession, Professional Traits and competencies, Professional Ethics
- Arabic Language Teacher: His varying roles
- Qualities and qualifications
- Humanistic teacher attributes : Temperance, Empathy, Academic aristocracy, Commitment, Humour, Ethics, Reflection, Knowledge worker, Facilitator, Mentor, Social Engineer, Helper, guide
- Reflective Practitioner,
- Teacher Development, Professional Development, Continuing professional Development
- Teacher Accountability
- Rubrics for self assessment

(15 hrs)

Unit II

Research inputs in Arabic language learning

- Researches in Arabic Language Education and Second Language Pedagogy
- Identifying and locating significant concerns related to Arabic language learning
- Action Research –Investigating learner issues
- Review of Recent Research Studies in Arabic Language Education
- Place of Arabic language as a source of knowledge

(10 hrs)

Unit III

E-resources in teaching & learning of Arabic language

- E- learning and e teaching: Digital text books, Digital library & other online resources - Designing of Digital text books , e-books and its application, Adopting down loaded resources for teaching Arabic
- M-learning: smart phones as learning devices and its scope
- Networking in professional growth
- Professional communities : E-twinning for institutional & professional growth
- Forming forum of online learning
- Emails, blogs, teacher tube, for promoting teaching and learning of Arabic

(10 Hrs)

Unit IV

Community based teaching & learning

- Teaching and learning resources: Formal & Informal learning contexts

- Role of University Departments, Arabic Colleges, Dars system, religious madrasas on Arabic language learning
- Society as Language Lab
- Role of films and Theatres,
- News papers, magazines & electronic Medias etc.
- Language forums, Interview & Talks by Experts,
- Exposure to events of National Importance; Celebration of International Arabic Day
(10Hrs)

MODE OF TRANSACTION

Lecture, Discussion, Text analysis, Practicals

TASK AND ASSIGNMENTS

1. Preparation of an article based on any research thesis related to Language Teaching preferably Arabic

REFERENCES:

- Al Muallim al Najih; , Dr. Abdullah al Amiri, Dar al shamil Al Nashir wa thouzeea’ Thatweeru Adai -al Muallim; kifayathu thaaleem wa thahleel al muthawasila : Hashim Uwaidha, Dar al Ilm al Malayeen , Labanan
- Thaaleemu al lugha al arabiyya baina nadriyya wa thathbeeq: Dr Hasan Al Shahatha, Dar Misriyya wa llubnaniya
- Mushkilathu thaaleemu llughal Arbiyya: Abbas M ahmood ; Dar alsaqafa, Qatar
- Thareeqathu Thadreesi Wa strateejiiyyathuhu: Dr Muhammed Mahmmud al Haila, Dar Al Kitab Al Jamia, Al ain, UAE
- Al Mawajja Al Fanni
- "Thuruqu thadreesu llualthil arabiyya[1996]"Dr jodath arrukabi dimascus : darul fkr
- "Ilmu nnafsi tharbaviyyi" Dr abdul majeed nashvathi : muassasathu rrisalath
- "Models of teaching" Bruce choice and marsha veil prentice hall;New Delhi
- "Txonomy of Educational objectives " Bloom Benjamin :BOOK1 the cognitive domain David me kay Co inc New York
- "Teaching language as communication" Widdoson H(1978); Oxford university press .
- "Language teaching and Bilingual Method" Dodson CJ (1967) Pitman: New York

EDU 13.2 PROFESSIONALIZING ENGLISH EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVE

1. To acquire knowledge, skill and experiences to professionalize the profession
2. To understand the need of professionalism
3. To know the global demands of English teachers
4. To become aware of new careers in the global scenario
5. To understand and experience various language learning materials

COURSE CONTENT

Unit I

Professionalism

- Profession –professional ---professionalism-- meaning, need and importance
- Qualities of a professional teacher in English -ways to inculcate professionalism in teaching
- Professionalization of teaching
- In-service and pre service courses
- Leadership qualities and types

(15 hours)

Unit II

Global demand of English teachers

- Job Attractions -challenges in the global level
- Qualifying Proficiency tests ; IELTS, TOEFL, etc.
- Equip teachers to meet global demands

(10 hours)

Unit III

New careers for English teachers

- Language trainer -qualities; Content writers and their qualities content writing: meaning and its importance
- On line teaching –features, merits and demerits; Anchoring –qualities of an anchor; Out sourcing –meaning , merits and demerits; Running commentary ; TV reporting; Tele conferencing ; event management ; social networking ; online editing

(13 hours)

Unit IV

E- learning materials in English

- Nature of e-learning materials and its preparation
- Language related co-curricular activities and its organization
- Preparation of a multimedia package
- ELT journals

(12 hours)

MODE OF TRANSACTION

Lecture, Discussion, Presentations, Text analysis

TASKS AND ASSIGNMENTS

1. Report on any 2 recent researches in English language teaching

EDU 13.3 PROFESSIONALIZING HINDI EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To appreciate the role of Hindi in the society
2. To familiarize the grammatical structure of Hindi
3. To familiarize and develop the skills to become a professional Hindi teacher
4. To acquaint with the co-curricular activities in Hindi
5. To familiarize the IT related professional inputs in professionalized teaching.
6. To familiarize ways and means of publishing articles and professional contents.
7. To familiarize and equip the student teachers with the most modern technology of teaching learning and professionalization. Planning and preparing documentary films, Short films, uploading to webs, etc.

COURSE CONTENT

Unit I

Hindi literature and grammar

- A short history of Hindi language
- History of literature middle and modern with its importance in present Indian context.
- Parts of speech in Hindi Preparation of assignments on any branch in Hindi

10 hours

Unit II

Professionalizing hindi teacher

- Definition of profession – teaching profession – professional ethics and teacher competencies.
- Teacher as a researcher.
- Role of SCERT, NCERT, NCTE etc. in the professional growth of the teacher.
- Qualities and qualifications of a Hindi teacher. Prepare a report on Quality Hindi teacher

10hours

Unit III

Assessment and evaluation

- Evaluation of student achievements – tools of evaluation – formative and summative methods – norm referenced test – criterion referenced test.
- CCE – grading system and the new system of evaluation in Kerala.

5 hours

Unit IV

Co-Curricular Activities

- Co-curricular activities in Hindi, programmes – their rules and regulations

5 hours

Unit V

Technology enabled innovative strategies in teaching hindi

- Methods and strategies of publishing articles and papers on line and offline.
- E-learning, E-schooling and virtual classrooms
- Role of web resources in professionalization
- Teacher tubes
- Preparation of short film/publication of paper based on the educational content.

10 hours

MODE OF TRANSACTION

Lecture, Discussion, Text analysis, Seminars

TASKS AND ASSIGNMENTS

(any one of the following)

1. Prepare a report on Quality of Hindi teacher
2. Prepare a lesson plan on any topic using any models of teaching.
3. Prepare the list of web resources for teaching support.
4. Preparation of short film/publication of paper based on the educational content.

REFERENCES

1. Acharya Chaturseen, Hindi Sahitya Ka Parichay
2. Acharya Nandu Dulare Baj Peyi, Hindi Sahitya Ka Samshiptha Itihas
3. Acharya Sitharan Chaturvedi, Bhasha Ki Shiksha
4. Dr. G.C. Bhattacharya, Adhyapak Shiksha, Vinod Pustak Mandir, Agra
5. Dr. Bholanath Tiwari, Hindi Bhasha Shikshan
6. Dr. Satyanarayan Dube, Shikshan Vidhiyam Aadhar bhhoth Thatv
7. Dr. Shailendra Bhooshan, Shikshan Adhigam Ke
8. Bhai Yogendrajith, Hindi Bhasha Shikshan, Agrawal Publications, Agra
9. Dharendra Varma, Hindi Bhasha Aur Lipi
10. Dinesh Chandra Bharadwaj, Basic Shiksha Manovigyan, Agrawal Publications, Agra
11. Durgesh Nandini, Hindi Shikshan, Sumith Enterprises
12. Prof. Ganesh Prases Sidha, Bhasha Shikshan Nidhi
13. Kamatha Prasad Guru, Hindi Vyakaran
14. Dr. K.P. Pandey, Shikshamem Kriyatmak Anusandhan
15. Dr. S.S. Mathur, Shikshan Kala Eevam Naveen Padhathiyam, Agrawal Publications, Agra

16. Dr.S.N.Mukherji,RashtraBhasha Ki Shiksha
17. Dr.Nareshsharma,Shikshan Ki Avasthayem.VigyanBharathi,Gaziabad
18. Dr.RamshaklPandey, Hindi BhashaShikshan
19. Dr.SreedharanandaMukherji,RashtraBhasha Ki Shiksha
20. Dr.SitaramJaiswal,MahendraPalSharma,ShikshaKeThatwikSidhanth
21. P.D.Patak,ShikshaManovigyan, AgrawalPublications,Agra
22. P.G.Kamath,AnyabhashaShikshanEakBhashaVaigyanikDrishti
23. RaveendranathSreevastav,BhashaShikshan,VaniPrakashan,New Delhi
24. K.M.Siva Ram Sharma,HindiShikshan Kala
25. Sadde,RashtraBhashaKaAdhyapan
26. B.L.Vats, Hindi Shikshan, AgrawalPublications,Agra
27. DevanagariLipiTadha Hindi Varthani,Kendriya Hindi Nideshalay,Hindi
28. RashtraBhashaBharathi (Patrika),GrihaMantralay,BharatSarkar

EDU 13.4 PROFESSIONALING MALAYALAM EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

The Teacher Candidates

1. familiarize with the e-resources for teaching –learning Malayalam
2. understand the IT integrated approach in teaching Malayalam
3. understand the qualities and competences of a teacher
4. develop a sense of professionalism

COURSE CONTENT

Unit- I

Techno pedagogy

- Techno pedagogy – meaning, need and scope
- Technological Pedagogical Content Knowledge (TPACK)
- Teacher as a Techno pedagogue

15 hours

Unit- II

Techno pedagogic skills

- Computer Assisted Instruction
- Digital taxonomy
- Digital lesson plans
- Unit- III Effective use of IT
- Using presentation software
- E- content
- Use of Malayalam blogs and important sites in teaching and learning Malayalam

- Use of social networks in enhancing and updating language learning and teaching

20 Hours

Unit- IV

Professionalizing Malayalam teacher

- Teaching as profession
- Professional growth
- Ways and means of improving professional growth
- Professional ethics
- Teacher qualities- General and Professional
- Teaching competencies
- Teachers as a community of learners- Collaboration of schools with colleges, universities and other institutions.

15 hours

TRANSACTION MODE

Lecturer and discussion method, Seminar, IT based teaching

TASKS AND ASSIGNMENT

Preparing an IT based lesson plan / Creation of a Malayalam Blog

EDU-13.5 PROFESSIONALISING SANSKRIT EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

- 1, to familiarize the concept of teacher as a techno pedagogue
- 2, to professionalize the language education in a techno pedagogic scenario
- 3, to familiarize and experience with curriculum design
- 4, to provide teacher as a reflective practitioner

Unit -1

Techno pedagogy

- Use of blog, powerpoint, video clips
- Concept-meaning- scope of techno pedagogy.
- Role of teacher as a techno pedagogue

15 Hours

Unit II

I T Inputs

- Web based constructions
- Designing student teacher generated digital tenants.
- Adapting Free downloadable digital resources in Sanskrit -UBUNTU, ILEEP, ISM etc.

10 Hours

Unit III

Digital Learning

- Networking, creation of IDBLOG, web-based instruction-
- Learning-management system

10 hours

Unit IV

Sanskrit Teacher

- Role performance,
- Teacher as a reflective practitioner, localized designing and
- Development of tools- posting reflections in blog, forums

10Hours

MODE OF TRANSACTION

Presentation, discussion, practicals

TASKS AND ASSIGNMENT

1, Prepare an e- Magazine

REFERENCES

- 1-TEACHING SANSKRIT- G. SAHADEVAN
 - 2, TEACHING SANSKRIT WITH NEW TECHNIQUEUS- DR. C.H.L.N. SARMA
 - 3, KERALEEYA SAMSKRITHADHYAPANAM- DR.K.R.HARINARAYANAN
 - 4, PRACTICAL SANSKRIT GRAMMER- P.R.D. SARMA
 - 5, FIRST BOOK OF SANSKRIT . R.G. BHANDARKAR
 - 6, SECOND BOOK OF SANSKRIT. R.G.BHANDAERKAR
 - 7, MODELS OF TEACHING- BRUCEJOYCE -MERSHA WEIN
 - 8, REFFLECTION S OF LANGUAGE. NOM CHOMSKY
 - 9, THE TEACHING OF SANSKRIT. D.G.APTE
 10. SAMSKRUTHA SHIKSHANA – RAMSAKAL PANDEY
 - 11, REPORT OF FIRST SANSKRIT COMMISSION – GOVT OF INDIA
 - 12, KRISHNAWARRIER COMMISSION REPORT- GOVT OF KERALA
 - 13,SECOND SANSKRIT COMMISSIN REPORT – GOVT OF INDIA
- AUDIO VIDEO MATIRIELS
- 1, A WORK BOOK FOR SANSKRIT LEARNER D.PI. KERALA.
 - 2, ABHYASAMANJARI- D.P.I.KERALA
 - 3, C.D OF RASTRIYA SANSKRIT SANSTHAN
 - 4, PRAYOGA PARICHAYA C.D. BY D.P.I.
 - 5, C.D. OF R.S.VIDYAPEETHA thirupathi
- websites

EDU 13.6 PROFESSIONALIZING TAMIL EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To appreciate the role of Tamil in the Society
2. To acquaint with the co-curricular activities in Tamil
3. To understand the importance of nurturing talented children
4. To familiarize the IT related professional inputs of teaching.
5. To be a Professional Tamil Teacher

COURSE CONTENT

Unit I

Values of Teaching Tamil

- Tamil and other languages-the importance of Tamil as a mother Tongue in learning Non-language subjects
- Researches in Tamil language Education and Second Language Pedagogy
- Identifying and locating significant concerns related to Tamil language learning
- Action Research –Investigating learner issues
- Review of Recent Research Studies in Tamil Language Education
- Place of Tamil language as a source of knowledge

15 hours

Unit II

Individual differences

- gifted children in Tamil language
- creativity, Nurturing talent and creativity In Tamil language

- A buzz session to list techniques to identify and nurture talent.

8 hours

Unit III

Technology in Tamil education

- Educational informatics and e- Learning E- learning and e teaching
- Digital text books, Digital library & other online resources

7 hours

Unit IV

Tamil Teacher

- Definition of profession –Teaching as a profession. Professional ethics.
- Ways and means of improving professionalism
- Personal and Professional qualities of a Tamil teacher.
- In-service Teacher education Pre-service course Orientation and Refresher courses Self study
- Doing Research for self-development. Teacher as a researcher.
- Role of SCERT, NCERT, NCTE etc. in the professional growth of the teacher.

20 hours

MODE OF TRANSACTION

Lecture, Discussion, Presentation, practicals

Tasks and Assignment

Prepare an enrichment material in Tamil for 8th Std. gifted students

EDU 13.7 PROFESSIONALISING URDU EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

- To acquaint with the co-curricular activities in Urdu
- To understand the importance of nurturing talented children
- To familiarize with different types of models in language teaching
- To build ability to construct lesson plans based on different models
- To familiarize the IT related professional inputs in language teaching.
- To be a professional Urdu Teacher

COURSE CONTENT

Unit I

Co-Curricular Activities

- Co-curricular activities- their importance,
- organization of field trips and study tours, language club

8 hours

Unit II

Individual Differences

- Multiple intelligence
- Characteristics of talented children
- Identification of Creativity and Critical thinking
- Techniques of nurturing talented children

10 hours

Unit III

Technology in Urdu education

- Computer Assisted Instruction-Urdu typing ability- Educational informatics and e-Learning - E-learning and e-teaching: Digital text books, Digital library & other online resources
- Models of Teaching- Concept – definition p dimensions and classification of models.
- Types and families of models. Designing of important models that can be effectively used in language learning.

16 hours

Unit IV

Urdu Teacher

- Definition of profession, teaching as a profession.
- Traits of professionalism, Professional ethics, Qualities and virtues of an Urdu Teacher,
- Teacher Competencies listed by NCTE
- Soft Skills
- Professional growth of Urdu teacher
- Ways and means of improving professionalism
- Research journals in Urdu. Role of SCERT and NCERT in the professional growth of a teacher.
- In-service Teacher education Orientation and Refresher courses, Self-study Doing Research for self-development. Teacher as a researcher-
- Identifying and locating significant concerns related to Tamil language learning
- Action Research –Investigating learner issues- Teaching , Research and Extension -Professional organizations of teacher

16 hours

MODE OF TRANSACTION

Lecture, Discussion, Presentation, Practicals

TASKS AND ASSIGNMENT

Prepare an enrichment material on a selected topic in Urdu

EDU 13.8 PROFESSIONALIZING COMMERCE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVE

1. To enable the learner to improve his/her professional competence as a commerce teacher
2. To mould the prospective teacher educators to uphold the professional spirit in diverse angles
3. To equip the prospective teachers to become a techno- pedagogue and aware of the concept TPCK
4. To be competitive in designing digital texts and e-content in commerce disciplines
5. To enable the learner to analyse the role of IT in commerce education and use of materials and media in commerce teaching
6. To integrate essential interdisciplinary attributes in commerce education

COURSE CONTENT

Unit I

Professionalizing Commerce Teacher

- Commerce teacher -Teacher Qualities, Professional competencies listed by NCTE
- Teaching as a Profession - Traits of Professionalism
- Professional Ethics
- Professional growth - ways and means - Role of Commerce Teachers Association ,SCERT and NCERT

(13 Hours)

Unit II

Techno Pedagogic Content Analysis

- Meaning and purpose of Technological Pedagogical Content Knowledge Analysis
- Interrelationship between Technology, Pedagogy and Contents of commerce subjects at HSS level.
- Teacher as a Techno pedagogue : Meaning and Qualities
- Prepare Digital Lesson Plan for suitable topic from business studies and accountancy

(13 Hours)

Unit III

Techno Pedagogic Skills

- CAI and CMI
- E-learning meaning and features –How the web will change the classroom
- Video conferencing and Tele conferencing in teaching of commerce.
- Virtual libraries and Digitized books
- Web Based Learning
- Use of Websites like ERIC , INFLIBNET etc.
- e-content development – concept, forms of e-content and steps in the preparation of e-content
- ICT inputs as learning resources- Facebook, Blog, Wiki, Twitter, Discussion Forum, Youtube Resources etc
- M-Learning

(14 Hours)

Unit IV

Interdisciplinary approach in teaching Commerce

- Meaning and importance of interdisciplinary approach in commerce teaching
- Commerce and its branches- Relationship of Commerce subject with its branches like insurance, banking, marketing, income tax, management etc.
- Relation of commerce with other subjects - Relationship of commerce subject with other subjects like economics, geography, politics, mathematics, statistics, information technology etc.
- Co-curricular activities in Commerce- Meaning and importance.
- Commerce club
- Running of school bank and cooperative store.

(10 Hours)

TRANSACTION MODE

Lecture, Discussion, Group work and Project, Assignment, Seminar, Debate

TASKS AND ASSIGNMENT

1. Techno pedagogic content analysis of any five suitable topics and prepare the digital materials (Selected units of higher secondary Accountancy and Business Studies text book)

REFERENCES

- Aggarwal, J.C. (2003). *Teaching of Commerce; A Practical Approach*. New Delhi: Vikas Publication.
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- Boynton, L.D. (1963). *Methods of Teaching Bookkeeping and Accounting*. Ohio: South Western Publication.
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- Sharma, A. (2009). *Contemporary Teaching of Commerce*. Surjeet Publications: New Delhi.
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- Singh,Y,K. (2011). *Teaching of Commerce*. New Delhi : APH.
- Tiwari, S.A.(2005).*Commerce Education in the global Era*. New Delhi: Adhyayan Publishers.
- <http://teachinghistory.org/issues-and-research/roundtable>
- Higher secondary business studies and accountancy text book (Plus 1 & Plus 2)
- www.5learn.co/e-content-development
- www.aptaracorp.com/digital-content-production/econtent-development
- www.ntu.edu.sg/home/sfoo/publications/2002/02ecd1_fmt.pdf
- blog.ebayclassifieds.com
- [www.net-security.org cybercoyote.org/security/safe-web.html](http://www.net-security.org/cybercoyote.org/security/safe-web.html)

EDU 13.9. PROFESSIONALIZING COMPUTER SCIENCE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To understand the importance of nurturing talented children
2. To familiarize the IT related professional inputs of teaching
3. To be a Professional Science Teacher
4. To develop Techno pedagogic skills
5. To develop awareness about emerging areas of computer science education

COURSE CONTENT

Unit.1

Professionalizing Computer science teacher

- Teaching as a profession
- Responsibility of computer science teacher
- Teacher as a Mentor and Mentoring Skills
- Different levels of computer literacy, Qualities of a computer science teacher
- Ways and means of improving professionalism

- Professional Ethics

(10 Hours)

Unit II

Techno pedagogy in computer science Teaching

- Techno pedagogy – meaning, need and scope
- Computer Science Teacher – more than an techno pedagogue
- Technological Pedagogical Content Knowledge (TPACK)
- Techno-Pedagogical Skills
- Analysis of school text book units using ICT Tools
- ICT tool development. Content Management System(CMS), Animation software, audio/video editing software.

(15 Hours)

Unit III

Software selection for Computer science learning

- Free and Open source software
- Advantage of using open source software
- Role of Computer Science teacher in E- content development
- Learning objects and modules
- Utilising Tele conferencing and video conferencing
- Scope of blogs, wiki and social media in computer science learning
- Review of IT@School Ubuntu.
- Practical use of concept map tools
- M-learning, role of mobile apps in present learning

(15 Hours)

UNIT IV

Emerging areas in Computer Science education

- Expert systems and robotics
- Nano technology
- Creative Commons Licensing
- Internet of things
- Learning Management Systems – MOODLE

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

- Prepare a Techno pedagogic Content Analysis of a Unit from Higher Secondary School level Text Book
- Prepare an enrichment material for gifted students in computer science on a concept of standard XI

EDU 13.10 PROFESSIONALIZING MATHEMATICS EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To know the ways of making Mathematics enjoyable.
2. To understand the ways of catering the needs of gifted students, slow learners and under achievers in Mathematics
3. To know various initiations to nurture Mathematics Talents
4. To be a professional mathematics teacher.

Unit I

Mathematics for All

- Causes for poor performance in mathematics,
- Mathematics phobia among learners- Causes and Remedies
- Role of recreational activities in mathematics learning (mathematical games, riddles, quiz, puzzles, Sudoku etc.)
- Mathematics club- Activities, importance and organisation
- Mathematics fairs

(8 Hours)

Unit II

Exceptional Children in Mathematics

- Concept of Multiple Intelligences
- Exceptional children in mathematics- Mathematically gifted, slow learners, under achiever- their characteristics; special programmes for each
- Learning difficulty in mathematics (dyscalculia)- characteristics and remedial measures
- Mathematical creativity- characteristics, Role of teacher
- Governmental and non-governmental initiatives in improving mathematics learning; Field medal, Mathematics Olympiad, NUMATS, NTSE, MTSE.

(15 Hours)

Unit III

ICT in Improving Teaching Performance

- E-content development- concepts, formats, steps for preparation, script writing for e-content
- Using internet for accessing information, Websites for authoritative information like ERIC, INFLIBNET
- E-resources for teaching and learning- Websites, blogs, E-books, E-journals, wikis, discussion forums, social networking sites & Apps.

(15 Hours)

Unit IV

Professionalizing Mathematics Teacher

- Teaching as a profession, professional ethics in teaching, Traits of professionalism
- Qualities of a Mathematics teacher- General qualities, specific qualities, Personal qualities..
- Soft Skills for teachers
- Professional growth of Mathematics teacher. – Teaching, Research and Extension.

(8 Hours)

Unit V.

Techno pedagogy in Mathematics Teaching

- Techno pedagogy – meaning, need and scope
- Technological Pedagogical Content Knowledge (TPACK)
- Techno-Pedagogical Skills of social Mathematics teacher

(4 hours)

MODE OF INSTRUCTION

Lecture, assignment, small group discussion, Seminar

TASK AND ASSIGNMENTS:

1. Prepare a script for an e-content material for any topic in mathematics at secondary level

EDU 13.11 PROFESSIONALIZING NATURAL SCIENCE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

Objectives

1. To be a Professional Science Teacher.
2. To understand and apply skills in Pedagogic transaction.
3. To understand and find inter relationship of different areas of TPACK.
4. To develop skill in technological pedagogical analysis of content knowledge (TPACK).
5. To understand the importance of nurturing gifted children.
6. To familiarize the I T related professional inputs of teaching.
7. To understand the scope of networking in science teaching.
8. To understand the use of video conferencing and smart class rooms.

Unit I

Professional Science Teacher

- Definition of profession, Teaching as a profession - Professional ethics, Traits of professionalism
- Teaching competencies required by a science teacher. Teacher Competencies listed by NCTE
- Soft Skills required for a teacher
- Professional growth of Science teacher. Teaching, Research and Extension, Research journals in Science & Science Education

- Role of SCERT and NCERT in the Professional growth of Science teacher. Internet resources and websites for professional growth of science teachers like ERIC, INFLIBNET etc.

15 hours

Unit II

Technological Pedagogical Analysis of content Knowledge (TPACK)

- Techno pedagogy – meaning, need and scope
- Technological Pedagogical Content Knowledge (TPACK)
- Science teacher as techno pedagogue-
- Techno-Pedagogical Skills of Natural Science teacher
- Digital Resources –CD, DVD, Websites, m-learning.
- Analysis of school biology topic using ICT Tools
- Relevance of Online Publishing using blogs, forums, wikis, online journals etc.

15 hours

Unit III

Gifted students in science

- Identifying and nurturing the scientifically gifted children-characteristics - strategies to foster giftedness.
- Creativity –components of creativity - Critical thinking in Science. NTSE(National Talent Search Examination by NCERT),

10 hours

Unit IV

Science and technology

- Complementarities between Science and Technology - use of ICT in science
Educational uses of e-mail, e-discussion, chat, Wiki , Blog in education - how to use blog in education, utilizing social net working effectively,
- Communication Technology- Technology based new emerging communication media [Tele-conferencing, webinar, video conferencing, micro blogging etc] . Virtual class room and virtual reality, virtual labs (iLab Project at MIT)
- Computer Aided Teaching, Expert System and Intelligent Tutoring Systems, Module preparation for e-content Development, Course ware, Free softwares in Science - Learning Management Systems – MOODLE

10 hours

MODE OF TRANSACTION

Lecture, Discussion, Presentations, Practicals

TASKS AND ASSIGNMENTS

1. Prepare a summary of an article related to science education from an e-journal.

OR

2. Prepare a Techno pedagogic Content Analysis of a biology lesson from Secondary level

EDU 13.12 PROFESSIONALISING PHYSICAL SCIENCE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

6. To be a professional physical science teacher
7. To be well acquitted with uses of IT inputs in physical science class room learning practices
8. To develop Skills in Techno pedagogy
9. To develop awareness about emerging areas of physical science education

COURSE CONTENT

Unit.1

Professionalizing physical science teacher

- Teaching as a profession
- Teacher as a Mentor and Mentoring Skills
- Professional Ethics
- Qualities of a physical science teacher
- Ways and means of improving professionalism
- Physical science teacher and teacher accountability

(10 Hours)

Unit II

Techno pedagogy in physical science Teaching

- Techno pedagogy – meaning, need and scope
- Technological Pedagogical Content Knowledge (TPACK)
- Techno-Pedagogical Skills of physical science teacher
- Analysis of school text book units using ICT Tools

(15 Hours)

Unit III

ICT inputs in physical science learning

- Using presentation software
- E- content
- Learning objects
- Tele conferencing and video conferencing
- Scope of blogs, wiki and Google map , Web 2.0 tools
- Use of INFLIBNET
- Edubuntu
- Free soft wares in physical science –IHMC concept map tools
- M-learning
- Physical Medias as learning inputs – face book, whatsapp , Twitter, etc.

(15 Hours)

UNIT IV

Reaching out to Society

- Science as a social Endeavor
- Science and Technology, complementarities between Science and Technology. Scientific Literacy, Influence of science on society.
- The Science Teacher and Society. Role of science teacher in eradicating superstitions in Society.
- Identifying and nurturing the scientifically gifted children. Creativity and Critical thinking in Science. NTSE(National Talent Search Examination by NCERT), Olympiad programme in Science by Homi Bhabha Centre for Science Education (HBCSE), KVPY scholarships by the Department of Science and Technology.

(10 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

Prepare a Techno Pedagogic Content Analysis of a Unit from Secondary School level Text Book

EDU 13.13 PROFESSIONALISING SOCIAL SCIENCE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

10. To be a professional social science teacher
11. To be well acquitted with uses of IT inputs in social science class room learning practices
12. To develop Skills in Techno pedagogy
13. To develop awareness about emerging areas of social science education

COURSE CONTENT

Unit.1

Professionalizing social science teacher

- Teaching as a profession
- Teacher as a Mentor and Mentoring Skills
- Professional Ethics
- Qualities of a social science teacher
- Ways and means of improving professionalism
- Social science teacher and teacher accountability

(10 Hours)

Unit II

Techno pedagogy in social science Teaching

- Techno pedagogy – meaning, need and scope
- Technological Pedagogical Content Knowledge (TPACK)
- Techno-Pedagogical Skills of social science teacher
- Analysis of school text book units using ICT Tools

(15 Hours)

Unit III

ICT inputs in social science learning

- Using presentation software
- E- content
- Learning objects
- Tele conferencing and video conferencing
- Scope of blogs, wiki and Google map
- Use of INFLIBNET
- Edubundu
- Free soft wares in social science –IHM concept map tools
- M-learning
- Social Medias as learning inputs – face book, whatsapp , Twitter, etc.

(15 Hours)

UNIT IV

Emerging areas in Social Science education

- Teaching of current affairs
- Controversial issues
- Consumer education
- Law focused education
- Human rights education

(10 Hours)

MODE OF TRANSACTION

Lecture, discussion, demonstration, small group activities, seminars etc.

TASKS AND ASSIGNMENTS

Prepare a Techno pedagogic Content Analysis of a Unit from Secondary School level Text Book

ADDITIONAL OPTIONAL COURSES

EDU14.1- CHILD RIGHTS EDUCATION

Contact Hours: 50 (Instruction) Maximum Marks: 50 (External: 40, Internal: 10)
COURSE OBJECTIVES

1. To develop awareness about the Child Rights.
2. To understand about the need and significance of Child rights education.
3. To develop deep understandings about the present situation of children throughout the world and India.
4. To understand about the attempts of various organizations in Protecting Child Rights.
5. To develop an awareness about the constitutional provision for Child Rights in India.
6. To evaluate the conditions of children in our nation.
7. To develop positive attitude towards child rights.

COURSE CONTENT

Unit: I

Conceptual Analysis of Child Rights

- Meaning-Definition- of Child Rights -Nature of Child Rights
- Types of Child Rights-[Freedom of speech](#), [thought](#), [fear](#), [choice](#) and the [right to make decisions](#) , Ownership over one's body, etc Right to Survival, Right to Protection, Right to Participation, Right to Development Differences from related concepts-
- Women's right, Youth rights and Human rights.

(6 Hours)

Unit: II

Child Rights Education

- Meaning and definition for child rights education-
- Need and Significance of Child Rights Education-
- Child Rights Education as learning about rights, learning through rights and learning for rights-

(7 Hours)

Unit: III

Movements for Child Rights

- Important Movements for Child Rights around the World- -United Nations Conventions for Rights of the Child (1959&1989) and Declarations on the Rights of the Child by UN.International Organizations for Child Rights- UNICEF, AMNESTY international,IFCW,IICRDS,UNHCR,etc.
- Child Right Movements in India- Critical Analysis of the Situation of Children in India- Contributions of CRY, Kailash Satyarthi ([Bachpan Bachao Andolan](#)).
- Conventions of Child Rights

(10 Hour)

TASKS AND ASSIGNMENTS

Prepare a collage by using paper cuttings about the violations in children's fundamental rights.

OR

A project on the contributions of Voluntary organizations in protecting the rights of Children in your locality OR

Make a survey in your nearest cities to trace out the child labours.

References:

1. Bhaskara Rao D, United Nations Decade for human Rights Education, DPH, New Delhi
2. Dr, Savitha Bhakhry, 'Children in India and their Rights', National Human Rights Commission. 2006.
3. Child Rights Education Toolkit. Rooting Child Rights in Early Childhood Education, Primary and Secondary Schools, UNICEF Private Fundraising and Partnerships Division (PFP), 2014
4. UN Briefing Papers, Human Rights Today: A UN Priority, New York

EDU 14.2 ENVIRONMENTAL EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. The Environmental Education Course will enable the Student Teachers to :
2. Acquire Knowledge and understanding of the terms, concepts and definitions, principles and
3. Laws, process, relationships, phenomena related to environment.
4. Develop an understanding of the natural resources, associated problems / issues and their
5. Management.
6. Apply the knowledge and understanding of the environmental concepts, principles, etc., in
7. their practical situations to arrive at the solutions/ alternative solutions to the environmental
8. Problems/ issues.
9. Appreciate the physical, biological, social, cultural, political and economic aspects of the
- 10.environment, their interrelationships and interactions (with special reference to human
- 11.impact on environment), needed efforts to preserving life on the Earth.
- 12.Develop scientific attitude towards the problems and issues of environment and appreciate the
- 13.need for conservation of the environment.
- 14.Develop an understanding of the meaning, scope and importance of Environmental Education in
- 15.schools and B.Ed. colleges
- 16.Develop necessary skills and competencies in planning, designing and organizing EE activities /
- 17.programmes in schools.
- 18.Use appropriate tools/ techniques in evaluating EE outcomes.
- 19.Participate actively in community oriented EE activities and programmes.

COURSE CONTENT

Unit II

Introduction to our Environment

- Meaning, Importance and components of Environment- Principles of
- Environment (interdependence and interrelationships)-
- Ecosystems- Meaning, types, characteristics and ecological balance.

(5 Hours)

Unit II

Ecological Process

- Biosphere, Flow of Energy, Nutrient Cycles, Carrying Capacity, Conservation of natural resources. Bio- magnification

(5 Hours)

Unit III

Conservation of Natural Resources - Problems, Perspectives and Management

- Natural resources (renewable and non-renewable)- Bio diversity- socio-economic and cultural factors including poverty leading to exploitation and degradation of natural resources, changing life styles and its impact on environment.
- Pollution- Water, land, air, sound and radioactive
- Environmental Problems- Global, Regional and Local.
- Problems at the global level:
 - o Population explosion, Global warming and Greenhouse effect, Acid rain ozone depletion and CFCs, Deforestation, Extinction of Species, Loss of Habitat and Biodiversity, Industrialization and Urbanization, Commercialization of agriculture
- Problems at the State level:
 - o Soil erosion, Deforestation, Bad water management
 - o Solid waste and its disposal, Destruction of mangroves
 - o Over fishing and marine pollution, shrinking of back waters
 - o Quarrying , Sand mining, Food adulteration, Changing cropping patterns and land use
- Problems at the local/ immediate environment
 - o Specific environmental issues pertaining to the district
- Concept of Sustainable Development – need and requirement for attaining
- Sustainable development.
- Important Environmental Movements in the country with special reference

to Environment Movements in Kerala. Legislative measures in India for Protection of environment

(20Hours)

Unit IV

Teaching- Learning strategies in Environmental Education

- Environmental Education- meaning, need, significance and characteristics, Objectives and principles of Environmental Education. Role of national and international organizations and movements in the promotion of Environmental Education
- Approaches- Infusion and problem- solving
- Methods - Discussion, Demonstration and Project
- Techniques -Observation, Nature games, Nature walk, Quiz, Role- play, Brain storming, Survey, Dramatization, Puppetry, Case study, etc.
- Co- curricular activities- Field trips, Collection, Exhibitions, Film shows, Video Shows, eco clubs.
- Evaluation in Environmental Education
- Use of appropriate tools and techniques of evaluation- Achievement tests, questionnaire, rating scale, observation schedule and Case studies, Evaluation of projects

(20 Hours)

MODE OF TRANSACTION

Lecture, Discussion, Field visits, seminars, workshops

TASKS AND ASSIGNMENTS

Visit a place of severe environmental pollution in your locality and analyse the socio-political causes of pollution there.

REFERENCES

1. Capra, F.(1999). Eco-literacy : The challenge for next century. Liver pool Schumacher Lectures.
2. Orr, D (1992) . Ecological Literacy : Education and transition to a post modern worlds. Albany: State University Press, New York.
3. Goleman, D.(2010) Ecological Intelligence, Penguin Books, London 136
4. Odum , E.P. (1971) Fundamentals of Ecology WB Saunders
5. Speth & James,G. (2006) Global Environmental challenges: Transition to a sustainable world, Orient Longmann
6. Firor, John & Judith E ,J. (2003) Crowded Green House, University Press
7. Brown , Lester R (2002) Eco Economy : Building an economy for earth , Orient Longmann
8. Gardner HS(2006) Frames of Mind. Harvard University Press
9. Bharucha E (2005) , Text book of Environmental Studies, University Press

10. Dani, H.M. (1986), Environmental Education, Chandigarh: Publication Bureau, Panjab University.
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12. Publication.
13. Nagra, V. (2006), Environmental Education, Jalandhar : Sharma Publications.
14. Nanda, K.V. (1997), Environmental Education, New Delhi : APH Publishing Corp.
15. Nasrin (2007). Education, Environment and Society, New Delhi: APH Publishing Corp.
16. Saxena, A.B. (1986), Environmental Education, Agra: National Psychological Corp.
17. Sharma, R.C. (1981), Environmental Education, New Delhi: Metropolitan Book Co.
18. Shrivastva, K.A. (2007), Global Warming, New Delhi: APH Publishing Corp.
19. Shukla, K.S. and Srivastva, R.P. (1992). Emerging pattern of Environmental Structure, New Delhi : Commonwealth Publishers.
20. Singh, K.Y. (2005). Teaching of Environmental Science, New Delhi: Chairman
21. Kumar, V.K. (1982). A Study of Environmental Pollution, Varanasi : Tara Book Agency.
22. Vyas,H. (1995), Paryavaran Shiksha, New Delhi : Vidya Mandir

EDU 14.3 EDUCATION FOR DIFFERENTLY ABLED

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

After studying this course the learner is expected to

1. Understand the differences between the impairment, disability, and handicap.
2. Enumerate the educational needs of various categories of persons with disabilities.
3. Describe the general methods to be adopted for early identification and intervention strategies .
4. Familiar with educational practices for students with differently abled.
5. Know the trends and developments in the education of differently abled

Unit 1

Understanding the Disabilities

- Concept and Definition of Impairment, Disability and Handicap.
- Historical and National developments and constitutional obligations for children with special needs.
- Categories of disability as per the PWD Act 1995.
- Social and Educational Needs of children with special needs.

(8 hours)

Module II

Definition, Types and Characteristics

- Hearing Impairments: Definition, Types and characteristics
- Visual Impairment : Definition, Types and characteristics
- Mental Retardation: Definition, Types and characteristics
- Neuro-muscular and Loco motor disabilities: Definition, Types and characteristics

(10 hours)

Module III

Identification and Early Intervention

- Need for early identification and Intervention
- Assessment procedures for educational placement.
- Intervention of later identified children
- Early Educational Intervention strategies.

(10 hours)

Module IV

Educational practices for students with differently abled

- Special school education
- Integrated Education
- Inclusive Education
- Education of gifted students

(10hours)

Module V

Trends and Developments in the education of differently abled

- National Institutes – NIVH, NIMH, AYJNIHH, NIOH.
- Acts and Schemes – NPE 1986, POA 1992, RCI Act 1992, PWD Act 1995, NT Act 1999.
- Role and Responsibilities of Pre-school teacher, Regular teacher, Resource teacher and special teacher.
- Community Based Rehabilitation (CBR)

(7 hours)

MODE OF TRANSACTION

Lecture, Discussion, Field visits, seminars etc

TASKS AND ASSIGNMENTS (Any One)

1. Visit special school and make classroom observation report (HI/VI/MR)
2. Visit General school where practicing inclusive education and conduct interview with resource teacher and prepare report regarding inclusive education.

3. Take three cases (students with HI/VI/MR/LD) and make reports with special reference to education.

REFERENCES

1. Alan H. and Ravic R. (1992), Introduction to Special Education, Allyn and Bacon, Boston
2. Chauhan.S.S(2002)Education of Exceptional Children
3. Hegarty S.(2002).Educaton and Children with Special Needs in India: Sage Publications, India Pvt. Ltd.
4. Panda, KC (1997) Education and Exceptional Children, Vikas Publishing House, New Delhi
5. Seamus Hegarty, Mithu Alur (2002) Educaton and Children with Specials Needs: From segregation to Inclusion
6. Smith, D.D, and Luckasan, R. (1992), introduction to Special Education, Allyn and Bacon, Boston
7. Vicki L. Schwean, Donald H. Saklofske (1999) Handbook of Psychosocial Characteristics of Exceptional Children

EDU14.4 GUIDANCE AND COUNSELLING

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

On completion of this course the students will be able to:

1. Understand the definitions, meaning, nature and scope of guidance
2. Understand purpose of guidance
3. Appreciate the needs for guidance
4. Understand Principles of guidance
5. Be familiar with types of guidance
6. identify the meaning, need and techniques of group guidance
7. Understand various guidance services in schools
8. Understand the role of teacher as a guidance personal
9. Get an idea about the Organisation of school guidance Programmes
10. Understand the meaning, nature and scope and objectives of counselling
11. Analyze the relationship between guidance and counselling
12. Recognize the objectives and principles of counselling
13. know the skills and qualities of an effective counsellor
14. Recognize the different approaches of counselling
15. Understand the various stages involved in the process of counselling
16. Comprehend concept, definitions and importance of mental health
17. Identify the Factors contributing to mental health
18. List the Characteristics of mentally healthy person.
19. acquaint with Current mental health issues among school children

20. Familiarise the counselling for gifted, creative, MR, LD, Slow learner, socially disadvantaged children and problem children.
21. To understand the methods of Educational counselling at different stages
22. Role and function of school counsellors
23. Concept of children with special needs.
24. To acquaint with the behavioural problems among school children

COURSE CONTENT

Unit I

Understanding Guidance

- Meaning and Definitions
- Nature of guidance
- Purpose of guidance
- Scope of guidance
- Need for guidance
- Principles of guidance
- Types of guidance (Educational Guidance - Vocational or Career guidance - Personal or Individual guidance)
- Group guidance (concept, need and significance)

(10 Hours)

Unit II

guidance in schools

- Various Guidance services in schools (orientation service – pupil inventory services – career information service – placement service – follow up services - their needs)
- Teacher as a guidance personal (role - essential qualities needed)
- Career guidance (role of the teacher – need – methods)
- Organisation of school guidance Programmes (**1. Pre-requisite of Guidance Programme** – formation of guidance committee – budget allotment – infra structural facilities – support from parents and community – orientation of guidance services to students and staff **2. Planning of Guidance Programme** – identify the areas where guidance is required – assign duty to different staff members as guidance personal – specification of various functions of each guidance services - set up objectives of the service on the basis of student needs **3. Guidance Activities** – in secondary level – in higher secondary level (list some orientation services, pupil inventory services, career information services, placement services and follow up services at different levels)

(10 Hours)

Unit III

Introduction to counseling

- Definition, Meaning, nature and scope of counselling.
- Basic principles of counselling.
- Objectives of counselling.
- Relationship between guidance and counselling
- Approaches to Counselling: directive, non-directive and eclectic

- Individual vs. group counselling (concept, advantages and limitations)
- Roles and functions of teachers involved in the counselling programmes in schools
- Skills and qualities of an effective counsellor.

(10 Hours)

Unit IV

Mental Health And Counselling

- **Mental health** (concept – definitions - Importance - Factors contributing to mental health – Characteristics of mentally healthy person.
- **Current mental health issues among school children** - Internet addiction – mobile phone addiction – Pornography – substance abuse (discuss how these will affect the mental health) – school girls and mental health issues.

(10 Hours)

Unit V

Counselling In Schools

- Role and functions of school counsellors
- Concept of children with special needs.
- Counselling for gifted, creative, MR, LD, Slow learner, socially disadvantaged children and problem children.
- Role of teacher in dealing students with special needs.

- Behavioural problems among school children (List some common problems)

(10 Hours)

TRANSACTIONAL MODE

Lecture, Group discussion, lecture-cum-discussion, panel discussion, presentation of reports and sharing of experiences etc.

TASKS AND ASSIGNMENTS

- Prepare a questionnaire (minimum 15 Questions) to find out the recent mental health problems of secondary school students (ensure individual preparation and variety in questionnaire). Administer the questionnaire on secondary students (minimum 20 students 10 boys + 10 girls). Analyse the findings and submit an individual report

REFERENCES

- Aggarwal J.C. (2008). *Essentials of Educational Psychology*, 2nd ed. New Delhi: Vikas Publishing House Pvt. Ltd.
- Bangalee, M. (1984): *Guidance and counselling*, Seth publishers. Bombay.
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- Bhatnagar, Asha and Gupta, Nirmala (Eds) (1999). *Guidance and Counseling*, Vol. I: A Theoretical Perspective, New Delhi: Vikas.
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- Nugent, Frank A. (1990). *An Introduction to the Profession of Counselling*. Columbus: Merrill publishing Co.
- Patterson, L.E. and Welfel, E.R. (2000). *The Counseling Process*, 5th ed. U.K.: Brooks/Cole.
- Pietrofesa, J.J, Bernstein, B., & Stanford, S. (1980). *Guidance: An Introduction*. Chicago: Rand McNally.
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- Rao, S.N. (1992). *Counselling and guidance*, New Delhi: Tata McGraw Hill Publishing Co. Ltd.
- Rao, S.N. (2008). *Counseling and Guidance*, 2nd ed. New Delhi: Tata McGraw Hill Publishing Co. Ltd.
- Saraswat, R.K. & Gaur, J.S.(1994). *Manual for Guidance Counsellors*. New Delhi” NCERT.
- Sharry, J. (2004). *Counseling Children Adolescents and Families*. New York: Palgrave Macmillan.

EDU 14.5 HEALTH AND PHYSICAL EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To understand the importance of health and physical education in teacher education programme
2. To understand the benefits of exercise

3. To understand the importance of first aid
4. To understand the importance of food and nutrition in human life
5. To understand the importance of yoga and stress management

COURSE CONTENT

Unit I

Introduction to health and physical education

- Definitions, aims and objectives of physical education
- Need and importance of physical education
- Health, importance of health education
- Physical fitness and wellness
- Fitness balance

7 Hours

Unit II

Physical fitness ,physical activity and exercises

- Meaning and definition of fitness
- Types of fitness [physical , mental, spiritual and financial]
- Types of physical fitness,
- Components of physical fitness,
- Activities of developing physical fitness,
- Physical activity and exercise, principles of exercises, benefits of exercise, exercise and heart rate zones, aerobic and anaerobic activities, leisure ,play and recreation, warm up and cool down,

10 hours.

Unit III

Yoga education

- Meaning and definition of yoga
- History ,objectives and benefits of yoga
- Types of yoga
- School of yoga

- General guidelines for yoga practices
- Suryanamaskar, importance of asanas, pranayama and its benefits, shithilikarana vyayamas, yoga and relaxation techniques
- Body types, concept of posture, causes of bad posture, postural deformities,

15 hours

Unit IV

Lifestyle Diseases

- Causes ,symptoms and management of diabetes, obesity ,osteoporosis, coronary artery diseases ,back pain
- skinfold measurements ,body shape index, body mass index, basal metabolic rate, pulse, blood pressure

8 hours

Unit V

First aid ,food and nutrition

- First aid -definiton and importance, fundamental principles to be followed and the duties to be followed by the first aider, CPR, first aid in different cases – poisoning ,electrick shock,burns,wounds ,heart attack,fractures,drowning,burns, heat stroke,
- Food and nutrients ,caloric value ,caloric requirements, malnutrition

10 hours

MODE OF TRANSACTION

Lecture, Demonstration, Drill and Practice

TASK AND ASSIGNMENT (Any One)

1. Assessment of any three physical fitness variables
2. Yogic practices and recording or
3. Practicing simplified physical exercises or stretching and recording

References

- Hardayal singh PhD, Science of sports training, DVS Publication New Delhi, 1995
- Dr A Abdul Latheef, Dr A.M Antony and et al, Introduction to physical Education for Training colleges; Educare Printers and Publishers, 2009
- J C Aggarwal, health and physical education, Shipra Publications
- Light on Yoga, Iyenkar, BKS, Harper Collins: Noida, 2011
- American Alliance for Health, Physical Education [1980]. Recreation and Dance, Health related Physical Fitness Test Manual, 1900, Association Drive, Reston, V A 22091, p.5.

EDU14.6. MANAGEMENT IN SCHOOL EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To develop an understanding of the concepts management, administration and organization in education
2. To create an awareness of various levels of Management in schools
3. To delineate school as the formal system of education
4. To understand the existing constitutional provisions for school education in India
5. To analyze the role of various organizations in school management
6. To appreciate the role of administrative authorities in maintaining the quality of Institutions
7. To familiarize the school organization
8. To critically examine the dimensions of institutional climate
9. To acquaint with the concept of institutional planning
10. To understand the structure and functions of SMC

11. To explain nature and types of leadership in schools
12. To examine the leadership roles of different components for better school management
13. To sensitize towards effective management of human and material resources in school
14. To understand the different components of management in schools
15. To develop competence to maintain records in school
16. To develop skills in preparing timetable
17. To develop skills to manage library and laboratory in schools
18. To explain the principles underlying the organization and administration of co-curricular activities
19. To explain the meaning and purpose of school budget
20. To familiarize with the concept of Total Quality Management in Education

COURSE CONTENT

Unit 1

Basic Concepts Of School Management

- Meaning, Definition, Importance and scope of school management –
- Functions of school management: Planning, Organizing, Directing, Motivating, Evaluating, Decision making etc. –
- School as a formal educational system - Social structure of school - School Structure: Pre-school Education, Ten year schooling Higher secondary education, University education –
- Hierarchies in school system: Hierarchical structure of school, Types of Hierarchies of school structure
- School education in India - Indian constitution and school education - Status of Indian schools - The structure of Indian school education - academic and administrative structure -Responsibilities of Central Government in school education - Responsibilities of State government –

- Central provisions for school education – CAGE, CBSE, NCERT, NCTE, NIEPA, KVS, NOS –
- State provisions for school education- SCERT, BSE ,State Textbook Board- Regional level organizations-District level organizations –District Education Office, DIET-Role of local level organizations-Teachers’ Union

(15 Hours)

Unit II

Institutional Climate And Planning

- Organizational process in schools: Academic planning, Resource mobilization, Curricular activities. Co-curricular activities, Planning, Time allocation, Monitoring, Evaluation, Feedback.
- Institutional Climate: Concept, Dimensions of school climate, Types of Institutional climate, Democratic and autocratic Climate. Impact of organizational climate on the performance of teachers, parents, students etc.
- Institutional planning: meaning, definition, importance and steps of institutional planning.
- School management committee (SMC) : structure, functions - School Development Programme (SDP)

(10 Hours)

Unit III

Leadership At Different Levels Of School Hierarchy

- Leadership at different levels of school hierarchy : Meaning and nature of school leadership -Styles of school leadership : Autocratic leadership, Democratic leadership, Free rein/ Lassiz fair leadership - Role of headmaster - Essential qualities of principal/HM - Duties and responsibilities of HM - Role of HM : as a manager, teacher, organizer - problems faced by HM
- Teacher as a leader: As an instructional input, As a manager, As a facilitator, As a counselor, Teacher in the community
- Leadership roles of pupils Students - functions of student council and school parliament

(10 Hours)

Unit IV

Management of Resources

- Instructional Management : School Calendar, Time-Table: importance, types of time-table , principles of time table construction, Conducting exams, Maintenance of record: meaning, types, how to keep records Admission Register – Attendance Register for Staff & students – Stock Registers – Acquittance Register- Management of Library and lab
- Management of co-curricular activities : Concept and Types of co-curricular activities, Need and importance : educational value, psychological value, social value, civic value, recreational value, physical development value - Organization of co-curricular activities in school - Principles underlying organization of co-curricular activities - Difficulties faced in organizing co-curricular activities : organization and objectives of literary and cultural activities, organization and objectives of physical education activities
- Management of material resources, technology e-resources, school plant, school complex
- Management of human resources: Teachers-staff council - functions, performance appraisal of teachers
- Parents- PTA, MPTA, GTA
- Community-Important resources of community, ways of utilizing community resources
- Management of financial resources
 - Financial management –role of teacher – preparation of school budget-meaning purpose, types, E-grant, grant-in-aids, scholarships, awards etc.
 - Total Quality Management – Concept Key elements of TQM, Steps for TQM in Schools

(15 Hours)

TRANSACTION MODE

Lecture Method, Discussion, Group work, Assignment, Seminar and Debate

TASKS AND ASSIGNMENTS

- Visit to a government/ aided school in your locality and prepare a record of resources available and suggest methods for its effective utilization

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EDU 14.7.VALUE EDUCATION AND PEACE EDUCATION

Contact Hours: 50 (Instruction)

Maximum Marks: 50 (External: 40, Internal: 10)

COURSE OBJECTIVES

1. To understand the values and peace.
2. To promote value education and peace education.
3. To identify different types of values and peace.
4. To know various approaches in value education and peace education.
5. To transact the value education and Peace education as part of curricular programs.

COURSE CONTENT

Unit I

Values and Peace –Definition, classification and types.

- Definition of values, philosophical perspective.
- Axiology of different philosophies-idealism pragmatism naturalism and humanism – types of values.
- Values Classification – Behavioural, Moral, Spiritual and constitutional values. NCERT classification of values. Traditional Indian values – Truth nonviolence peace, Righteous conducts etc.
- Constitutional values- Democracy, Socialism, secularism and fraternity.

- Definition to Peace. Kind of violence mental verbal and physical causes of violence.
- Source of Peace, inner Peace, Social peace and Peace with nature.

(12 Hours)

Unit II

Psychological Perspectives of Values

- Value development in childhood and adolescence. Psycho-analytic view, Piaget Kohlberg and Erikson about value development in child hood adolescence and adult hood.
- Nature and characteristics of value development, Role of family school and Society in value development.

(8 Hours)

Unit III

Understanding Value education and Peace education

- Meaning and nature of value education
- Value education in India Vedic Buddhist Islamic periods

- Post independent attempts in value education- University education commission Sriprakash Committee and emotional integration committee etc.
- Peace Education -Approaches – Conflict compromise approach. Holistic approach to words peace education.
- Peace education as skill building.

(10 Hours)

Unit IV

Inculcating Values and Peace- Approaches and Strategies.

- Values are caught and taught-approaches methods and curricular implications. Direct method, indirect method and Incidental methods.
- Role plays, storytelling and other methods
- Teacher and value education. School subject and value education. Strategies for value education.
- Peace education into practice-Peace education knowledge attitude and skills.
- Peace education and curriculum – dimension of Peace education knowledge attitude and skills, Peace teacher and Peace methods.
- Way of integrating peace education into subject and lessons.
- Learning ways of Peace.
- Emerging researches in peace education.

(20 Hours)

MODE OF TRANSACTION

Discussion, Seminars, Visists, Analysis texts etc

TASK AND ASSIGNMENTS

Prepare a lesson plan from the school subject and conduct classes based on strategies of value education/ Peace education OR

Prepare an E content for promoting awareness of values/Peace and conduct a community interaction programme in your locality or school OR

Prepare a report about any one of the institution which is functioning inculcation of values and peace OR

Prepare a script for a video programme for promoting value education/Peace education.

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SEMESTER IV

B. .Practical Courses

EDU.401 COURSE ON EPC 3: CRITICAL UNDERSTANDING OF ICT (30 Hours- 30 Marks)

Preparing teachers to use technology in a classroom is an important step for ICT enabled education in the country. This course will focus on moving beyond computer literacy and ICT-aided learning, to help student-teachers interpret and adapt ICTs in line with educational aims and principles. It will explore ICTs along three broad strands; ***teaching-learning, administrative and academic support systems, and broader implications for society.***

ICTs have often been seen as a stand-alone subject, consisting of a finite set of proprietary applications, taught to children directly by technology experts, bypassing teachers, which has diluted possibilities of teacher's ownership, enhancement of expertise and engagement. Seeing ICTs as an important curricular resource and an integral part of education, according primacy to the role of the teacher, ensuring public ownership of digital resources created and used in education, taking a critical perspective on ICTs as well as promoting constructivist approaches that privilege participation and co-creation over mere access, are principles that the course will help teachers explore. Applying these principles can support Teacher Professional Development models that are self-directed, need-based, decentralized, and collaborative and peer-learning based, and continuous, in line with the NCFTE, 2009 vision for teacher education

Since ICTs are technologies, along with developing such understanding, the course will also help student-teachers to learn integrating technology tools for teaching learning, material development, developing collaborative networks for sharing and learning. This learning can help integrate pre-service and in-service teacher education, address traditional challenges of teacher isolation and need for adequate and appropriate learning resource materials. The course will explore use of ICTs to simplify record keeping, information management in education administration.

Communication and information sharing/ storing are basic social processes; new digital Information and Communication Technologies (ICTs), by making these easier and cheaper, have significantly impacted and are impacting our socio-cultural, political and economic spheres. The course will help student-teachers to develop an understanding of the shift from an 'industrial society' to a 'postindustrial information society', where the production and consumption of information is easier/ simpler as well as important. This change has positive and negative implications and possibilities for democracy, equity and social justice, all core components of our educational aims.

The course will help student-teachers reflect critically and act responsibly to prevent how ICTs are used to support centralization and proprietisation of larger knowledge structures; it will show student-teachers how ICTs can be adapted to support decentralized structures and processes, as well as build the 'digital public' to make education a participatory and emancipatory process

Tasks – Conduct of Three workshops (3x10=30 marks)

- 1. Digital Text book /e resources**
- 2. ICT Integration with Pedagogy**
- 3. E content development**

DETAILED GUIDELINES

WORKSHOP 1 – Digital Text book /e resources

DAY 1

Phase I - Spread Sheets as a Tool for Teaching-Learning, Administrative and Academic Support Systems.

- (i) An introduction to Spread sheets as a tool for Administrative and Academic Support**
- (ii) Hands-on Experiences**

Product Needed

- Enter mark list of Achievement Test in to a Spread sheet.
- Calculate Mean, Median and Mode by using Software tools
- Draw graphs by using Software tools
- Calculate grades of children by using software tools

Product Submission

- Send the document to your teachers email (2 marks)
-

Phase II- Producing e-documents and Digital Text Book as a Tool for Administrative and Academic Support Systems.

- (i) **An introduction to e-documents and Digital Textbooks**
- (ii) **Hands-on Experiences**

Product Needed

- Select a content from concerned optional subject and prepare a digital text
- add content, images, audio/video
- Prepare a school classroom time table

Product Submission

- Send the documents to your teacher's email (2 marks)

•

DAY 2

Phase III - Creating an ICT Integrated Lesson by Using Presentation Software.

- (i) An introduction to Presentation software
- (ii) Planning and preparation of e-lesson
- (iii) Hands-on experience

Product Needed

- Each student should plan and develop an ICT integrated lesson and construct a digital presentation in their own optional subjects
- Presentation should include words, images and videos / audios.

Product Submission

- Send the documents to your teachers email (6 marks)
-
-

WORKSHOP 2 - ICT Integration with Pedagogy

DAY 3

Phase I Teacher as a Techno-Pedagogue

- **Expert presentation Towards a Techno-Pedagogue**
- **Hands-on experience**

Product Needed

- Students should create a Personal website

Product Submission

- Send the url of your created websites to your teachers email
(10 marks)
-
-

WORKSHOP 3 - E content development

DAY 4

Phase I - Integrating Images, Audio and Videos for e-content Authoring by using Open Free Software

- **Expert Talk: Introduction to free software**
- **Hands-on experience**

Product Needed

- A directory of selected images, Audio and videos

Phase II e-content Development through exe (open free Software)

- **Expert Talk**
- **Hands-on experience**
- **e-content Development**

Product Needed

- E-content developed by students

Product Submission

- Send your e-content to your teacher through email **(10 Marks)**

EDU.402. COURSE ON EPC 4: UNDERSTANDING THE SELF (30 Hours- 30 Marks)

The aim of the course is to develop understanding of student-teachers about themselves – the development of the self as a person and as a teacher, through conscious ongoing reflection. The course would be transacted through a workshop mode by more than one resource persons.

The course will address aspects of development of the inner self and the professional identity of a teacher. This shall enable student-teachers to develop sensibilities, dispositions, and skills that will later help them in facilitating the personal growth of their own students while they teach. It is important for student-teachers to develop social-relational sensitivity and effective communication skills, including the ability to listen and observe (Hall & Hall, 2003). The course will enable student-teachers to develop a holistic and integrated understanding of the human self

and personality; to build resilience within to deal with conflicts at different levels and learn to create teams to draw upon collective strengths.

As an individual in society one has different identities – gender, relational, cultural – and it is important to address one’s implicit beliefs, stereotypes and prejudices resulting from these identities. It is important for the student-teachers to be aware of their identities and the political, historical, and social forces that shape them. The course will make use of personal narratives, life stories, group interactions, film reviews – to help explore one’s dreams, aspirations, concerns, through varied forms of self-expression, including poetry and humour, creative movement, aesthetic representations, etc.

Yoga will also be introduced as an important component to enhance abilities of body and mind, and promote sensibilities that help to live in peace and harmony with one’s surroundings. Students will appreciate the philosophy of yoga and its role in well-being. They will learn the practice of yoga and how to use it in different contexts.

The course shall also focus on revisiting one’s childhood experiences – influences, limitations and potentials – while empathizing with other childhoods, and also the childhood experiences of one's peers. The following methodologies for the transaction of the course could be used in interactive sessions

Sharing case studies/biographies/stories of different children who are raised in different circumstances and how this affected their sense of self and identity formation.

Watching a movie/documentary where the protagonist undergoes trials and finally discovers her/his potential despite odds.

Issues of contemporary adolescence/youth need to be taken up as student-teachers first need to understand themselves; and themselves in relation to their students and classroom situations.

Different modes of expression can be used in each of the sessions (so that each of the students get a chance to express herself through any of the modes that they are comfortable in) and at the end of the year, the resource person and the coordinating faculty can reflect back on whether all modes of expression were included through the sessions or not.

The exercise of developing reflective journals and providing regular feedback on those journals can also be used here

Broad areas	Introduction	Values and self image	Individual and collective selves	Connecting - self-society	Social interface
Main objectives	Trust building, for future	Opening self, reflection, culture for	Team building, respecting,	Understanding social structures	Becoming the change agent –

	exercises, laying ground rules, energizing	listening and accepting	tasks, sharing responsibility. addressing conflicts	(stereotypes/ diversity / gender) and role of the individual	designing and leading change / social action
Broad methodologies	Games, theatre activities, discussions	Reflections, story making, self-disclosure through art, dance and theatre	Nature walk/ field visit , adventure. Simulation exercises, collective art	Films, meeting people, small group tasks, theatre exercises	Participate or lead in real life intervention (within families/ college or community)

There is no standard prescribed material for these workshops. The professional experts are expected to engage with the students with specially designed activities. These could be based on the facilitator’s personal integration and unique individual and group characteristics and are rooted within the context of student’s lives and contemporary realities. It is suggested that the students be given space to explore and articulate their own sense of life and its issues. They can be encouraged to think a fresh on issues that most closely concern them and use creativity and imagination to develop a perspective on them. The resource materials are an aid in this process. The resource materials can also include newspaper/web articles on contemporary concerns and movies/documentaries and other audio-visual materials. There is a suggested list of resource materials, which should be contextualized and updated periodically.

Suggested Tasks (5x 6=30 Marks)

Writing Tasks - (i) Writing a reflective statement of aspirations and expectations, based on one’s learning so far in the course critically evaluate oneself as a ‘prospective teacher’.

OR Essay: Identify one social issue/problem of key significance, and reflect on:

- a) Ways in which current forms of ‘schooling’ may be contributing to sustaining this, and
- b) how ‘school education’ and ‘classroom practice’ may be realigned to ameliorate this.

Workshop 1-A significant event or experience in life

Investigating the texture of one key event/experience (working with partners) –

Sharing and assimilating a range of experiences

Workshop 2: Gender and upbringing

Suggested workshop themes

Telling our own ‘gendered’ stories

En-culturing ‘gendered’ roles in upbringing within different kinds of families –Case studies

Gender issues in school education – case studies
Gender issues manifest in contemporary public spaces – case studies
Responding to various forms of gender discrimination

Workshop 3: *Deconstructing the messages of advertising (in the Audiovisual Media)*

Suggested workshop themes

The expanding role of advertising in contemporary life. Sharing favourite advertisements and their impact on us. Looking from the other side: how psychology, research, technology and imagination combines to create a ‘targeted commercial’

Viewing and analyzing a series of advertisements- Constructing an effective advertisement (group task)

How to be a critical and media-literate viewer of advertisements

Workshop 4: *Theatre for awareness of body, self and the other*

Suggested workshop themes

Sensitize students about their inherent potentialities. Components — activities related to body and mind, senses, emotions, imagination, concentration, Observation, introspection.

Workshop 5: *Art and education*

Suggested workshop themes

Connecting to music in nature and within our own selves; voice training: opening the voice, music and rhythm exercises: singing, creating music with different objects.

DETAILED GUIDELINES FOR EDU.402. COURSE ON EPC 4: UNDERSTANDING THE SELF (30 HOURS 30 MARKS)

WORKSHOP 1

Writing a reflective statement of aspirations and expectations, based on one’s learning so far in the course and critically evaluate oneself as a prospective teacher

Phase 1 Individual Presentations

- Memorise the best teacher who influenced the presenter
- Concept about a teacher
- A SWOT Analysis of the teacher student
- Their future plan to attain the goal as a great teacher

Phase II Report writing

- Highlights of the discussion

- Lessons learned from the sharing of experiences
 - Plan for future
 - Submit the report at the same day (6 marks)
-

WORKSHOP 2

Gender and upbringing

Phase I - Telling our own 'gendered' stories

- Divide the students in to two equal groups
- 10 minutes presentation of each Student
- Each student must present their experiences as a boy or girl
- Sharing and assimilating a range of experiences
- Cite a significant event or experience in life
- Suggestions to solve the gender issues as a teacher

Phase II Panel Discussion

- Merge two groups as a single group
- Construct 6 member Panel from students
- Discuss the solutions for gender issues (audience can also participate)
- Teachers act as a Moderator. They should conclude the session

Phase III Report Writing

- Students can write or note the hints for report
 - Highlight the individual experiences
 - Highlights of the discussion needed
 - Prepare the report as a home work and submit it in the next day before 9.30 Am (6 marks)
-

WORKSHOP 3

Deconstructing the messages of advertising (in the Audiovisual Media)

Phase I Expert Talk

Psychology of Advertisements: The expanding role of advertising in contemporary life

Or

Any other related topics

Phase II Sharing favourite advertisements and their impact on Life

- Few students can share their views
- Teacher concludes the session

Phase III Expert Talk

Technology and imagination combines to create a 'targeted commercial', Viewing and analyzing a series of advertisements

or

any other related topics

Phase IV constructing an effective advertisement (group task)

- Divide students in to 6 member groups
- Construct the script of an effective advertisements

Phase V Report Writing

- Submit the script for a n advertisement at (Group wise) (6 marks)
-

WORKSHOP 4

Theatre for Awareness of Body, Self and the Other

Phase I Sensitize students about their inherent potentialities

Phase II How to Refresh body and Mind through Yoga

Phase III Report Writing

WORKSHOP 5

Art and Education

Phase I Expert Talk - What is art integrated Education

Phase II Construction of an art integrated lesson Plan

- Divide students in to 6 member groups
- Construct the plan
- Each individual student want to submit the plan

Phase III Report Writing

- Submit the lesson plan or materials (6 marks)

EDU .403.SUPW & WORKING WITH COMMUNITY (30 Hours- 20 Marks)

To acquire the requisite competencies in planning and executing socially useful Programmes To develop social sensitivity and consciousness and their human sensibilities

To seek co-operation and support from local people

To develop dignity of labour

To produce products which are useful to society

Student teachers shall select one activity from field work components and two from SUPW components

A)Field work component(10 marks)

- Survey of social importance

- Organization of campaign on one of the themes such as nutrition, sanitation, drug, consumer education, blood donation, AIDS, environment, gender issues, population education, etc.

- Cleaning public places/Beautification of campus

- Pain and palliative service or other social services-(**A Report to be maintained**)

B) SUPW Component (**10 marks**)

Book binding, craft/art work, soap making, paper bag making, candle making, agarbathi, File making, pot making, stitching and embroidery, glass painting designing and making electronic devices, etc.

Output-The prepared products and a brief report including the objectives and methodology adopted

EDU. 404. FIELD TRIPS/ STUDY TOUR (30 Hours- 20 Marks)

Educational Tour is aimed to provide an exposure to students to study and appreciate. It is an exposure trip to a place of educational or historical importance. The expected outcome includes providing situations for the student-teachers to learn and get acquainted with the process of organizing /conducting a study tour/field trip and understanding the environment around. **A Study Tour / 2 Field trips** shall be mandatory for all students. Those students who fail to attend the Study Tour / Field trips shall forfeit the marks (20 marks) allotted for this activity. No other activity could be assigned to the absentee student in lieu of the Study Tour/ Field trips.

The Study tour can be organized by the institution at their convenience as a general programme/Optional requirement. The students may undertake one study tour preferably during the holidays taking not exceeding 3 working days, combined with the holidays if required. Total number of Tour days shall not exceed 6 days. The tour period shall be considered as part of the working periods of a semester

A feedback session, within a fortnight of returning from the tour shall be mandatory. The Faculty should encourage the students to reflect on the experiences based on their observations. The students shall be required to prepare individual reports of the visits. The report should highlight the objectives of the tour, identification of the spot, detailed plan, execution of the plan, benefits derived from the tour, problems faced and suggestions. The reports should also contain an evaluation of their own inputs for planning and implementing the tour.

ANNEXURE-I
CORE COMMITTEE

Prof.A.Faziluddin (Chairman)
Prof.(Dr.) K.Sivarajan (Dean)
Dr. K .Abdul Gafoor (HoD, Education)
Dr.C.N.Balakrishnan Nambiar
Prof.C.Abdusalam
Dr.Muhammedunni Alias Musthafa
Dr.Umer Farooque.T.K
Dr. P.P Noushad
Dr. Devika
Dr.K.P.Anil kumar
Dr.A.Hameed
Dr.Abdul Hameed Muktar Mahal
Dr. M.Jesa

ANNEXURE-II
SUGGESTED AREAS FOR SEMINAR

Educational Technology
School Organization
Adult and Continuing Education
Population Education
Vocational Education
Higher Education
Economics of Education
Educational Planning

Institutional Planning
Alternative Education
Teacher Quality and Accountability
Teacher Education Programmes
ECCE
Issue Based Curriculum
Autonomous Colleges
Community Schools
Teacher and Research
Role of NCTE, UGC, NAAC etc.
Social Problems and Education (The institution may add more)