SCHEME OF STUDY DEPARTMENT OF EDUCATION; ST. XAVIER'S COLLEGE, RANCHI

SEMESTER -WISE COURSE DISTRIBUTION

SEMESTER- I { Full Marks – 475}

Subjects	Marks	Credit	Teaching.	I. A. Wt.	Ex. A. Wt.
			Hrs.		
Paper-I	100	4+1	64+32	30	70
Education For National					
Devt. & Social Change					
Paper-II	100	4+1	64+32	30	70
Learner & Learning					
EPC-I	50	2+1	32+32	30	70
Language Across					
Curriculum					
EPC-II	50	2+1	32+32	30	70
Understanding					
Discipline & Subjects					
EPC-III Health and	50	2+1	32+32	30	70
Physical Education					
Practicum	125	5			

SEMESTER- II {Full Marks – 525}

Subjects	Marks	Credit	Teaching Hrs.	I. A. Wt.	Ex. A. Wt.
Paper-III Classroom Organisation	100	4+1	64+32	30	70
& School Management Paper-IV Assessment and	100	4+1 64+32		2 30	
Paper – V(A) Pedagogy of Subjects Part L (Mathed I)	50	2+2	32+64	30	70
Part I (Method I) Paper – V (A) Pedagogy of Subjects	50	2+2	32+64	30	70
Part I (Method II) EPC-IV ICT (Part I)	50	2+1	32+32	30	70
Practicum	175	7			

<u>SEMESTER- III {Full Marks – 575}</u>

Marks	Credit	Teaching Hrs.	I. A. Wt.	Ex. A. Wt.
100	4+1	64+32	30	70
50	2+2	32+64	30	70
50	2+2	32+64	30	70
250	13	416	30	70
125	5			
	100 50 50	100 4+1 50 2+2 50 2+2 250 13	Hrs. 64+32 50 2+2 32+64 50 2+2 32+64 250 13 416	Hrs. 100

SEMESTER- IV (Full Marks - 425)

Subjects	Marks	Credit	Teaching	I. A. Wt.	Ex. A. Wt.
			Hrs.		
Paper-VII	100	4+1	64+32	30	70
Knowledge and					
Curriculum					
Paper-VIII	100	4+1	64+32	30	70
Creating and Inclusive					
Society					
EPC-IV (ICT-Part II)	50	2+1	32+32	30	70
EPC-V	50	2+2	32+64	30	70
Art & Aesthetic					
Practicum	125	5			

SEMESTER -WISE COURSE DISTRIBUTION

$SEMESTER-I \ \{ \ Full \ Marks-475 \}$

Subjects	Marks	Credit	Teaching H	rs. I. A. Wt.	Ex. A. Wt.		
Paper-I	100	4+1	64+32	30	70		
Education For National							
Devt. & Social Change							
Paper-II	100	4+1	64+32	30	70		
Learner & Learning							
EPC-I	50	2+1	32+32	30	70		
Language Across							
Curriculum							
EPC-II	50	2+1	32+32	30	70		
Understanding							
Discipline & Subjects							
EPC-III Health and	50	2+1	32+32	30	70		
Physical Education							
Engagement with the field	credit						
Paper-I	aper-I Credit 1 = 25 Marks						
Paper – II	Credit	Credit 1 = 25 Marks					
EPC – I	EPC – I Credit 1 = 25 Marks						
EPC – II	- II Credit 1 = 25 Marks						
EPC - III			Credit	1 = 25 Marks			

$SEMESTER\hbox{- }II \ \{Full \ Marks-525\}$

Subjects	Marks	Credit	Teachi	ng Hrs.	I. A. Wt.	Ex. A. Wt.			
Paper-III	100	4+1	64+	-32	30	70			
Classroom Organisation									
& School Management									
Paper-IV	100	4+1	64+	-32	30	70			
Assessment and									
Evaluation									
Paper – V(A)	50	2+2	32+	⊦64	30	70			
Pedagogy of Subjects									
Part I (Method I)									
Paper – V(A)	50	2+2	32+	-64	30	70			
Pedagogy of Subjects									
Part I (Method II)									
EPC-IV ICT (Part I)	50	2+1	32+32		30	70			
Engagement with the field	Engagement with the field credit								
Paper-III	С	Credit 1 = 25 Marks							
Paper – IV	С	Credit 1 = 25 Marks							
Paper – V (Part A- Method	С	Credit 2+2 = 50+50 Marks							
EPC – IV (ICT)			С	redit 1	= 25 Marks				

$SEMESTER\hbox{- III } \{Full\ Marks-575\}$

Subjects	Marks	Credit	Teaching Hrs	i. I. A. W	Ex.A.Wt.			
Paper-VI	100	4+1	64+32	30	70			
Teaching:Approaches								
& Strategies								
Paper V (B)	50	2+2	32+64	30	70			
Pedagogy of Subjects								
Part II (Method I)								
Paper V (B)	50	2+2	32+64	30	70			
Pedagogy of Subjects								
Part II (Method II)								
School Internship	250	13	416	30	70			
Engagement with the field credit								
Paper - VI		Credit	Credit 1 = 25 Marks					
Paper – V (B) Method - I Credit 2 = 50 Marks								
Paper – V (B) Method - II Credit 2 = 50 Marks								

$SEMESTER\hbox{- IV } \{Full\ Marks\hbox{- }425\}$

Subjects	Marks	Credit	Teachi	ng Hrs.	I. A. W	Ex. A. Wt.		
Paper-VII	100	4+1	64-	+32	30	70		
Knowledge and								
Curriculum								
Paper-VIII	100	4+1	64-	+32	30	70		
Creating and								
Inclusive Society								
EPC-IV (ICT-Part	50	2+1	32-	+32	30	70		
II)								
EPC-V	50	2+2	32-	+64	30	70		
Art & Aesthetic								
Engagement with the field credit								
Paper - VII					Credit 1 = 25 Marks			
Paper - VIII					Credit 1 = 25 Marks			
EPC-IV (ICT)			Credit 1 = 25 Marks					
EPC - V				Credit 2	= 50 Marks			

• Passing marks in Theory Paper is 33% and in Practical 40%.

{SEMESTER -I} <u>PAPER-I</u>

I E	DUCATION FOR NATIONAL DEVELOPMENT AND	CREDIT	4+1		
I	SOCIAL CHANGE	HOURS	64+32		
S:	 impact on education 3. To learn the concepts of social Change and social transfeducation 4. To know the different values enshrined in the constitution impact on education 5. To identify the contemporary issues in education and its implications 6. To understand the historical developments in policy fractions 	formation in ron of India and seducational	elation to		
ļ.	COURSE CONTENT / SYLLABUS				
Conce	ept and Aims of Education				
	 ✓ Meaning of Education – Broader and Narrow ✓ Formal, non-formal and informal education ✓ Various Agencies of Education ✓ Aims of Education in contemporary Indian society 		10 hrs.		
<u>a • 1</u>					
✓ ✓	 ✓ Rich Cultural Heritage - Diversity in Indian Society ✓ Inequality and Marginalization ✓ Schisms in terms of Caste, Religion, Language, Region and their demands on Education ✓ Social Stratification Conceptualizing Social Stratification Forms and Bases of Social Stratification 				
Educa	*				
✓	Role of education in the process of social change		6 hrs.		
✓ ✓ ✓ ✓ Weste	Swami Vivekananda Rabindranath Tagore Mahatma Gandhi Shree Aurobindo		15 hrs.		
	Social Conco Social	Significant Social CHANGE 1. To understand the concept and aims of Education. 2. To develop understanding about the social realities of Inimpact on education 3. To learn the concepts of social Change and social transfeducation 4. To know the different values enshrined in the constitution impact on education 5. To identify the contemporary issues in education and its implications 6. To understand the historical developments in policy fragulation COURSE CONTENT / SYLLABUS Concept and Aims of Education Meaning of Education — Broader and Narrow Formal, non-formal and informal education Various Agencies of Education Various Agencies of Education Determinants of Aims of Education Realities of Indian Society and Education Social Realities of Indian Society Inequality and Marginalization Schisms in terms of Caste, Religion, Language, Region and to on Education Conceptualizing Social Stratification Forms and Bases of Social Transformation The concepts of social change Role of education in the process of social change Role of education in the process of Social Change Thinkers and their Contribution to Education Indian Swami Vivekananda Rabindranath Tagore Mahatma Gandhi	SCIAL CHANGE 1. To understand the concept and aims of Education. 2. To develop understanding about the social realities of Indian society impact on education 3. To learn the concepts of social Change and social transformation in reducation 4. To know the different values enshrined in the constitution of India an impact on education 5. To identify the contemporary issues in education and its educational implications 6. To understand the historical developments in policy framework relate education COURSE CONTENT / SYLLABUS Concept and Aims of Education — Broader and Narrow Formal, non-formal and informal education Various Agencies of Education Various Agencies of Education Various Agencies of Education Social Realities of Indian Society and Education Social Realities of Indian Society and Education Social Realities of Caste, Religion, Language, Region and their demands on Education Social Stratification Conceptualizing Social Stratification Forms and Bases of Social Stratification Forms and Bases of Social Stratification Forms and Bases of Social Stratification Forms of Social Change and Social Transformation The concepts of social change Factors of social change Factors of social change Factors of Social Change and Social Transformation Social Stratification in the process of Social Change Thinkers and their Contribution to Education Indian Swami Vivekananda Rabindranath Tagore Mahatma Gandhi Shree Aurobindo Western Pestalozzi		

	✓ Dewey	
	Issues in Indian Education	0
TINITE X7	✓ Value Education	8
UNIT-V	✓ Environmental Education	hrs.
	✓ Challenges of Education in Jharkhand	IIIS.
	✓ Vocationalization and Privatization	
	Policy Framework for Public Education in India	
	✓ Education in Pre-Independent India – significant recommendations of	15 hrs.
	commissions and committees	
UNIT-VI	✓ Education in Post-Independent India – Significant recommendations of	
	Commissions and Committees	
	✓ National Policy on Education – 1986, 1992	
	✓ Universalization of Elementary Education – Sarva Shiksha Abhiyan	
	✓ RTE ACT 2009, RMSA	_
	MODE OF TRANSACTION	
	Lectures, discussions, assignments, films on educational thinkers	
	SUGGESTED ACTIVITIES	
	sess the impact of Right to Education Act on schools	
	tical Analysis of different Committees and Commissions on Education	
	servation of Educational Process in Private Schools	
4. Pla	nning and Implementation of Activities –	
	• Eco-Club,	
	 Instructional material to inculcate values, 	
	 Field visit to vocational institutes to make reports, 	32 hrs.
	 Development of awareness development about population explosion in rural / slum areas, 	
	 Creating awareness among SC/ST students about various schemes and scholarships available to them, 	
	• Survey of schools to see the implementation of various incentives of	
	government to equalize educational opportunities	
	Preparing a presentation on rich cultural heritage of India	

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PAPER-II

YEAR	I	LEARNER AND LEARNING	Credit	4+1				
Semester	I		Hours	64+32				
OBJECTIV	1	. To appreciate the role of educational psychology in teach	hing and lea	arning.				
ES:	2	. To understand the salient features and problems of grow	th and deve	lopment				
		during childhood to adolescence.		_				
	3	. To understand the process of learning and factors influen	To understand the process of learning and factors influencing learning.					
	4	To understand the dynamics of personality development.						
	6	To understand the learning process in order to organize to learning.	To understand the learning process in order to organize teaching for effective learning.					
	7	. To acquaint the teacher trainees with educational needs pupils.	of special gr	roups of				
	8	. To understand the concept of personality, mental health in protecting mental health of pupils.	To understand the concept of personality, mental health and role of the school in protecting mental health of pupils.					
	9	. To develop the ability to apply the knowledge provided	by Education	onal				
		Psychology to classroom problems of various kinds.						
COURSE CONTENT / SYLLABUS								

UNIT-I	Understanding the Learner in Socio-Cultural Perspective	
	✓ Meaning, nature and scope of Educational Psychology.	10 hrs.
	✓ Importance of Educational Psychology to the teacher	
	✓ Factors influencing the learner: Psycho-social, cultural and	
	technological factors.	
UNIT-II	Growth and Development	
	✓ Meaning and difference between growth and development	
	✓ Importance of principles of growth and development	10 hrs.
	✓ Factors affecting growth and development	
	✓ Dimensions of individual development in different stages (special	
	emphasis on concerns of adolescence)	
UNIT-III	Knowing the learner	
	✓ Individual difference-meaning, characteristics and its dimensions	-
	✓ Understanding learners for multiple intelligence with special reference	15 hrs.
	to Gardener's theory of multiple intelligence and its implications	
	✓ Understanding differently abled learners: slow learners, dyslexic,	
	gifted, and disadvantaged	
UNIT-IV	Theoretical perspectives on learning	
	✓ Meaning and definitions of learning- Learning as a process and product	-
	✓ Different viewpoints of learning and their classroom implications	
	(a) Learning by Trial and Error (Thorndike)	20 hrs.
	(b) Learning by Stimulus - Response conditioning (Pavlov & Skinner)	20 1115.
	(c) Gestalt theory- Learning by insight	
	(d) Cognitive theory (Piaget) and Social cognitive theory (Vygotsky)	
	✓ Factors affecting learning and learning problems	
	✓ Transfer of learning	
UNIT-V	Organizing Learning- Issues and Concerns	
	✓ Organizing learning in a class room: teacher centric, subject centric,	-
	learner centric and activity centric	9 hrs
	✓ Group learning- homogenous and heterogeneous groups- issues and	
	concerns	
	✓ Study habits and learning to learn skills	
	SUGGESTED ACTIVITIES:	
	1. Observe the various age group children (Early childhood, Later	
	childhood, Adolescent) in various situations like in the classroom,	
	playground, at home, with parents, friends, siblings and list down the	32 hrs.
	characteristics of them in physical, social, emotional and intellectual	
	domain.	
	2. List down different maladjusted behaviours of adolescents which you	
	could identify from the classroom and out-side classroom. Take interview	
<u></u>	Take interview	L

- of a few and try to understand the factors that may be responsible for their behaviour.
- 3. Visit a school (Practice Teaching) and find out the different measures/activities taken by school or teachers for healthy mental health of the children by interviewing school teachers.
- 4. Development of Question box activities (can be carried out by student trainees during practice teaching).
 - (i) To provide authentic information on physical, physiological and psychological changes and development during adolescence and interpersonal relationship issues pertaining to adolescents.
 - (ii) To list down the instances of peer pressure which may have harmful consequences for the students and the ways adopted by them to face or cope with these unfavourable situations. (Smoking, injecting drug etc.)
- 5. Find out the plug-in points from your school subjects and link it with the components of Adolescence Education. Also plan out supplementary co-curricular activities for the same.
- 6. Observe some successful individuals and list down the behavioural characteristics which impress you.
- 7. Take interview of five low achievers and five high achievers and find out their ways of learning.
- 8. List down few (classroom) learning situations involving insightful learning.
- 9. Administration of Psychological tests.

MODE OF TRANSACTION

Lecture, Discussion, Case Study, Experiments, Problem solving, Film Show

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EPC- I (ENHANCEMENT OF PROFESSIONAL COMPETENCY)

YEAR	I		I ANCHACE ACDOSS CUDDICIII INA	CREDIT	2+1
Semester	I		LANGUAGE ACROSS CURRICULUM	HOURS	32+32
OBJECTIVI	ES:	c ✓ T	To enable students to understand nature, function and role curriculum To acquaint students with obstacles in language usage while and ways to overcome them.		
		✓ T la ✓ T	To enable students to understand importance and use of first anguage, multilingualism and impact of culture. To acquire knowledge about the communication process are converbal communication skills.		
✓ To familiarize the stude			To familiarize the students with of barriers to (Listening, S. Writing) LSRW skills and activities for developing these s		ading,
			COURSE CONTENT / SYLLABUS		
	Nat	ure and	Functions of Language		
	`	Langu	uage – Meaning and Concept		
UNIT-I			ions of Language		6 hrs.
			of Language across Curriculum		
			ers in Using a Language &Strategies to Overcome them		
	Verl		Nonverbal Communication		
	`		nunication – Meaning and Concept		
UNIT-II	`		ss of Communication		6 hrs.
	`		s of Communication flow in schools		
			al and Nonverbal Communication		
	١ ١	<u>′ Bar</u> rie	ers of communication		

	Language Proficiency	
	✓ Activities for development of listening skills	
UNIT-III	✓ Activities for development of reading skills	8 hrs.
	✓ Activities for development of writing skills	
	✓ Activities for development of speaking skills	
	Communication and Multi Media	
	✓ ICT and its importance	4
UNIT-IV	✓ Multi-media as a channel of communication	hrs.
	✓ Use of ICT and multi-media in classroom	1110.
	Self Instructional Mode of Communication	
	✓ Group strategies	
UNIT-V	✓ Individual Strategies	8 hrs.
	✓ Programmed instruction	
	✓ CAI	
	MODE OF TRANSACTION	
	Lecture, discussion, exercises, assignments, language games	
	SUGGESTED ACTIVITIES	
	1. Use of Language lab.	
	 Designing Games and Exercises for developing Listening, Speaking, Writing and Reading Skills 	
	3. Assignments on developing Writing Skills- Summary, Letter, Paragraph,	
	Essays, Speech	32 hrs.
	4. Assignments on developing speaking Skills – Oral Presentations, Debate, Elocution, Discussion, Brain-storming	32 IIIS.
	5. Assignments on developing listening Skills – Listening to speech,	
	directions	
	6. Designing multi-media resources for effective communication.	

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https://blog.udemy.com/listening-skills-exercises/

EPC-II (ENHANCEMENT OF PROFESSIONAL COMPETENCY)

YEAR	I	UNDERSTANDING DISCIPLINES AND SUBJECTS	CREDIT	2+1
Semester	I	UNDERSTANDING DISCIPLINES AND SUBJECTS	HOURS	32+32
OBJECTIV	1. To understand the basis of knowledge and branches of emerging know 2. To understand the emergence of various disciplines 3. To understand nature of Science as a discipline. 4. To understand nature of Mathematics as a discipline. 5. To understand nature of Language as a discipline. 6. To understand nature of Social science as a discipline.			wledge.
		COURSE CONTENT / SYLLABUS		1
UNIT-I		 cipline and Subject ✓ Nature and Characteristics of a Discipline. ✓ Inter-disciplinary nature of Education ✓ Interrelation and Interdependence amongst various school subject 	jects	6 hrs.
UNIT-II		 ence as a Subject and Discipline ✓ Nature and history of science ✓ Scientific method; a critical view ✓ The socio cultural perspective and the ethical consideration ✓ Science as a discipline, place of scientific knowledge in the school curriculum 	hema of	6 hrs.
UNIT-III		aguage as a Subject and Discipline ✓ Centrality of language in education ✓ Language in the school curriculum; aims issues and debates ✓ Policy issues and language at school ✓ Language registers in different subjects ✓ Phases of Language Development		6 hrs.
UNIT-IV	Mat	thematics as a Subject and Discipline ✓ Nature and History of Mathematics ✓ Place of Mathematics in School Curriculum ✓ Mathematics in day-to-day life ✓ Relationship of Mathematics with other Subjects		7 hrs.
UNIT-V	500	 ial Science as a Subject and Discipline ✓ Nature and Philosophy of Social Science ✓ Social Science as an area of Study ✓ Need of studying Social Science through interdisciplinary personal 	spectives	7 hrs.

✓ Place and relevance of Social science in School curriculum	
MODE OF TRANSACTION	
Group discussion, Lecture-cum –discussion, pair and share, group work, Pandiscussion, Symposium, assignments, Field visits and sharing of experiences	
SUGGESTED ACTIVITIES	
1. Policy analysis National curriculum frame works.	
2. Identification of core, hidden, null and latent curriculum in textbooks.	
3. Review of the books 'Diva Swapn' and 'To To Chan' for constructing activity based curriculum.	an 32 hrs.
4. Analysis of language registers in different subjects.	

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EPC-III (ENHANCEMENT OF PROFESSIONAL COMPETENCY)

YEAR	I	HEALTH AND PHYSICAL EDUCATION CREDIT HOURS		2+1	
Semester	I			32+32	
OBJECTIV	/ES	1. To understand the concept and principles of Yog	ga		
		2. To understand the ancient system of yoga			
		3. To develop awareness about the historical aspect	ts of Yoga		
		4. To learn some meditational practices and technic	ques		
		5. To learn to maintain a healthy condition of body	•		
		6. To learn the utility of Yoga in modern life			
		COURSE CONTENT / SYLLABUS			
	Ger	eral Health Awareness			
		✓ Introduction to the concept of Health and Health Education: it	ts		
UNIT-I		significance and importance		6 hrs.	
		✓ Determinants of Health		o ms.	
		✓ Aims of Health Education			
		✓ Role of family, school, community and Media in maintain hea	alth		
Food and Nutrition					
UNIT-II		✓ Concept of balanced diet and its importance			
UN11-11		✓ Nutritional deficiencies and related diseases		6 hrs.	
		✓ Life style diseases and remedial measures to improve Physica	l health		
UNIT-III	Pre	ventive Measures and First Aid			

	 ✓ First Aid and its equipment in different cases ✓ Importance of physical exercises and games 	6 hrs.
	✓ HIV-AIDS and its causes, prevention and cure	
	Yoga and Health	
UNIT-IV	 ✓ Concept and principles of Yoga ✓ Importance of Yoga in modern life ✓ Yoga sans and their impact on health 	7 hrs.
	Games and Sports	
TIMITE X7	✓ Fundamental skills of games and sports ✓ Sports for recreation and competition	
UNIT-V	✓ Rules and regulations of sports✓ Sport's awards and scholarships	7 hrs.
	✓ Sports personship	
	MODE OF TRANSACTION	
	Lecture, discussion, workshop, practical work	
	SUGGESTED ACTIVITIES	
	1. Participation in various track events outdoor and indoor games.	
	2. Organization of games and sports tournaments.	32 hrs.
	3. Visit to Yoga ashrams and centers.4. Learning and performing of basic Yogic activities	
	5. Preparation of first Aids	
	6. Collection of medicinal plants and preparing a report on their importance 7. March-past and Drill exercises.	

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	 ✓ Management process: Planning, organizing, directing, controlling ✓ Managerial skills, technical skills, conceptual skills, human skills ✓ Concept of Leadership ✓ Educational Leadership: Roles and Responsibilities ✓ Leadership styles ✓ Leadership and decision making ✓ Leadership in the context of innovation and change 	hrs.
UNIT-V	Components of School Management ✓ School Time Table: Types, Guidelines for Preparation ✓ School Records: Types and Its Importance ✓ Co-Curricular Activities: Need and Importance, Organisation of Co-curricular activities ✓ Institutional Planning: Meaning, need & importance, steps	12 hrs.
	MODE OF TRANSACTION Lecture, Lecture cum Demonstration, Discussion, Practical, Assignments	
	 Visit different types of schools following different boards and do a comparative study with respect to various variables. Analyse the process of recognition to different boards. Prepare list of various records prepared by schools and write a report on its importance. Study the various co-curricular activities undertaken by schools. Organise any co-curricular activity in school and prepare a report on its management and problems faced. Prepare a school time table and the points you kept in mind while doing so. Visit schools and prepare a list of various indiscipline problems faced by principal and teachers and the strategies they adopted to solve them Prepare an awareness programme on various indiscipline problems faced in schools. Study the techniques adopted by teacher for classroom management, Visit schools and study the leadership style of principals through observations. Study the innovations and change introduced in school and role of leader therein. 	32 hrs.

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PAPER-IV

YEAR	I	ASSESSMENT AND EVALUATION	CREDIT	4+1
	II		HOURS	64+32
OBJECTIVE			on and thei	r role in
		teaching-learning process.		
		2. To understand the perspectives of different schools of	_	_
		assessment realize the need for school based and authentic		
		3. To examine the contextual roles of different forms of asses		
		4. To understand the different dimensions of learning and th procedures, tools and techniques.	e related ass	sessment
		 To develop assessment tasks and tools to assess learner's properties. and interpret assessment data. 	performance	Analyze,
		6. To analyze the reporting procedures of learners' performar	nce in school	S.
		7. To develop indicators to assess learners performance of tasks.		
	8. To examine the issues and concerns of assessment and evaluation practical schools.		actices in	
		9. To understand the policy perspectives on examinations and evaluation and timplementation practices.		and their
	10. To tracing the technology bases of assessment practices and other trend		ds at the	
		international level.		
		COURSE CONTENT / SYLLABUS		
	PE	CRSPECTIVES ON ASSESSMENT AND EVALUATION		
		✓ Meaning of Measurement and Evaluation in Education		
		✓ Characteristics of the evaluation - comprehensive and contin	nuous	
		✓ Formative and summative evaluation		
		✓ Norm reference & criterion reference tests		
UNIT-I		✓ Uses of evaluation		18
		✓ Instructional objectives, purposes of learning outcomes as changes	behavioura	l hrs.
		✓ Relationship between instructional objectives, learning exp	periences and	i
		evaluation		
		✓ Writing instructional objectives-different kinds like understanding, application, skills, affective attributes	_	

	performance measurable and non-measurable learning outcomes.	
	✓ Major techniques of evaluation	
	✓ Test as an instrument of evaluation	
	✓ Reporting evaluation results.	
	Characteristics of Instruments of Evaluation	
	✓ Validity	
UNIT-II	✓ Reliability	6 hrs.
	✓ Objectivity	
	✓ Interdependence of validity, reliability and objectivity	
	Major Tools of Evaluation and their uses	
	✓ Paper pencil tests, Oral tests, and Performance tests	
	✓ Achievement tests : standardized and teacher made tests	
	✓ Diagnostic tests	
UNIT-III	✓ Intelligence tests and aptitude tests	12
UN11-111	✓ Rating scale	hrs.
	✓ Check list	
	✓ Anecdotal records	
	✓ Socio-metric technique	
	✓ Interview, Questionnaire and Inventory	
	Teacher made Achievement Tests	
	✓ Essay and Objective type tests	
	✓ Improving essay type questions	
UNIT-IV	✓ Different types of objective tests, their characteristics, advantages and	12
01111-11	disadvantages.	hrs.
	✓ Relating test items and specific behavioural objectives	
	✓ Preparation of blue print	
	✓ Characteristics of a good test	
	Elementary Statistical in Educational Evaluation	
	✓ Raw scores	
	Frequency distribution	16
UNIT-V	✓ Graphical representations of grouped data	hrs.
	Measures of central tendency	
	✓ Measures of variability	
	✓ Fundamental idea of Standard Scores	
	MODE OF TRANSACTION	. 1 .
	Lecture, Team Teaching, Practical Work, Group Discussion, Presentation by S	tudents
	Unit Test	
	SUGGESTED ACTIVITIES 1. Waiting instructional chicatives	
	1. Writing instructional objectives 2. Framing massurable and non-massurable learning outcomes	
	2. Framing measurable and non-measurable learning outcomes Finding out the content validity of the given question paper.	
	3. Finding out the content validity of the given question paper	22
	4. Designing Rating scale, Observation schedule, Check list in a given a	
	topic	hrs.
	5. Developing evaluation technique of question paper	
	6. Framing different types of questions	
	7. Preparation of Blue Print and a question paper	
	8. Prepare graphs and use statistics for analysis of test result	

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Paper – V (A) (Pedagogy of Subjects Part- I Method I & II)

ENGLISH METHOD

COURSE OBJECTIVES:

- To become aware of the nature and system of Language, Language Acquisition and Language Learning.
- To understand the nature and characteristics of English Language.
- To develop a perspective on English Language education in Indian context.
- To critically examine the English language curricula at school level.
- To understand the dynamic nature of beliefs and assumptions about language learning and methodologies of language teaching.
- To develop the ability of applying various Teaching Strategies for creating effective learning environment.
- To develop the ability of creating different learning resources.
- To understand the nature of comprehensive evaluation in Language.
- To develop the ability of locating 'Hard Spots' and planning Remedial Strategies for Learners.
- To become effective language teachers by continuous learning and exploring the existing theories and practices in language education.

Year	ı	TEACHING OF ENGLISH	Credit	3+1
Semester	П		Hours	32+64
Unit -I	Natu	ure and System of Language		6 hrs.
	Natu	re and characteristics of language (Difference wit	h Dialect and	
	Registers), Language and Socialisation, Language as a system			
	consisting of several subsystems – at sound level, word level and			
	sentence level.(Basic concepts in Phonology, Morphology, Syntax			
	and	Semantics).		
Unit-II		guage Acquisition and Language Learning		8 hrs.
	Philosophical, sociological and psychological base of language learning.			
		aviouristic, Cognitive, Constructivist and linguistic vie		
		ning. Piagetian, Vygotskyan and Chomskyan principle	es of language	
	<u> </u>	isition.		-1
Unit-III	Engl	ish Learning in India		5hrs.
	_	5 5	ext. Historical	
		pective and socio-cultural role of English in India		
		of English in modern India. Teaching Engl		
	_	guage, Second Language and Library Language.	Challenges of	
	teaching English in India.			
Unit-IV	+	hods of Language Teaching		8 hrs.
		ysis of Different Methods with respect to their	Strength and	
	Limitations:			
	Grammar cum Translation Method, Direct Method, Bilingual			
	Approach, Dr. West's Method, Structural Approach, Communicative			
Unit-V	Approach, Situational Approach, Interdisciplinary Approach Effective Teaching and Language Teacher		5 hrs.	
Offit-V		ntials of good Teaching. Qualities of an Effec	tive Teacher	5 1113.
		erstanding Reading, Writing, Speaking and Listeni		
		cial Reference to Classroom Techniques of their	•	
		tegies for developing Vocabulary.	zevelope	
		SUGGESTED ACTIVITIES		64 hrs.
	1	. Visiting Language Laboratory, Practicing Stress	Patterns and	
	_	Intonation in English.		
		2. Project/ Survey on Various Issues Related to Lang	_	
		3. Analysing Position Papers on 'Teaching of English Property and Discussion on Contemporary		
		4. Presentations and Discussion on Contemporary European and African Literature.	muian, Asian,	
	4	5. Critical Review of a Recently Published Book/Arti	cle/Poem	
		5. Review of Children Literature/ Popular Folk Tales		
		7. Creative Writing in English/ Translation of		
		Poems from other Language.		
		3. Practicing different Formats of Writing.		
		9. Speech, Debates and Elocution and Role Play		
	1	0. Preparing Study Material of English with interc	disciplinary	
		approach.		

हिन्दी शिक्षण

उद्देश्य	
•	भाषा के अलग–अलग भूमिकाओं को जानना
•	भाषा सीखने की प्रक्रिया को जानना
•	भाषा के स्वरूप और व्यवस्था को समझना
•	स्कूल की भाषा, बच्चों की भाषा और समझ के बीच के संबंध को जानना
•	भाषा सीखने के तरीके और प्रक्रिया को जानना और समझना
•	पाठ्यचर्या, पाठ्यक्रम और पाठ्यपुस्तक का विश्लेषण
•	भावों और विचारों की स्वतंत्र अभिव्यक्ति करना
•	भाषा के मूल्यांकन की प्रक्रिया को जानना
•	भाषा सीखने–सिखाने के सृजनात्मक दृष्टिकोण को समझना

Year	I	हिन्दी शिक्षण Credit	2+2
Semester	II	Hours	32+64
इकाई १	हिन्दी	भाषा का अर्थ एवं स्वरूप	5 hrs.
	✓	र्भाषा की परीभाषा	
	✓	र्भाषा और अस्मिता	
	✓	विशेषताएँ, प्रकृति तथा महत्व	
		र्समाज में हिन्दी भाषा का स्थान	
इकाई २		भाषा के विविध रूप	5hrs.
		िहिन्दी मातृभाषा के रूप में	
		् हिन्दी प्रथम एवं द्वतीय भाषा के रूप में	
		र घर की भाषा और विद्यालय की भाषा में हिन्दी का महत्व	
		्र हिन्दी भाषा माध्यम के रूप में	
		बहुभाषिक कक्षा	
इकाई ३	संविधा	न और शिक्षा समितियों के रिपोर्ट में भाषा	7 hrs.
	✓	्र भाषाओं की स्थिति (धारा ३४३-३५१, ३५०:१)	
		्र कोठारी कमीशन (१ ६ ६४-१ ६ ६)	
		राष्ट्रीय शिक्षा नीति - १६८६	
		र्पी. ओ. ए १€€२	
	✓	र्र राष्ट्रीय पाठ्यचर्या (एन. सी. एफ२००५)	
इकाई ४		ो दक्षताएँ	8 hrs.
	✓	र् सुनना, बोलना, पढ़ना और लिखना	
	✓	र्सुनना और बोलना (सूनने का कौशल सुनने और बोलने के कौशल	
		विकास के स्रोत) भाषा लैब, मल्टीमीडिया तथा मौलिक सामग्री की	
		सहायता तथा निर्माण	
		र्पढ़ना-पढ़ने के कौशल	
		र्विखना – लेखन प्रक्रिया, औपचारिक और अनौपचारिक लेखन	
- 2		भाषायी दक्षता के दो तथा निवाकरण	
इकाई ५		शिक्षण की प्रचलित विधियाँ/प्रणालियाँ और उनका विश्लेषण	7 hrs.
	~	व्याकरण अनुवाद प्रणाली, प्रत्यक्ष प्रणाली ढाँचामत प्रणाली, प्राकृतिक	
		प्रणाली, उद्देश्यपरक संप्रेषणात्मक प्रणाली	

हिन्दी शिक्षण की विधियाँ	
🗸 योजना शिक्षण विधि, बेसिक शिक्षा, खेल विधि	
🗸 हिन्दी शिक्षण विधि की प्रभावशीलता का मूल्यांकन	
गतिविधि	64
1. भारतीय भाषाओं के लिए निर्मित पोजीशन पेपर का अध्ययन और उस	hrs.
पर चर्चा	
2. विज्ञान, समाज विज्ञान और गणित की कक्षा छः से सात की किताबों के	
कुछ अंश चुनकर विश्लेषण	
• बच्चे के स्तर के अनुरूप	
 क्या यह भाषा सीखने में सहायक है 	
3. अपने आस-पास के पाँच स्कूलों का दौरा कर यह जानकारी प्राप्त करते	
हुए एक रिपोर्ट तैयार करें कि द्विभाषा सूत्र की क्या स्थिति है	
4. सुनने और बोलने में असमर्थ बच्चों को ध्यान में रखते हुए हिन्दी	
शिक्षण की दो गतिविधियाँ तैयार करें	

BIOLOGICAL SCIENCE METHOD

Course Objectives:

The course will enable student-teachers

- Gain an understanding of the nature and scope and objectives of Biological Science.
- Appreciate Biological Science as a dynamic body of knowledge understand about the pedagogy in Biological Science.
- Develop effective plans for learning Biological Sciences.
- Trace the changing trends in learning of Biological Science.
- Explore the resources specific for the learning of children with special needs.
- Facilitate development of scientific attitudes in learners.
- Understand that evaluation of students can be done in a formal and informal way.

Year	I TEACHING OF BIOLOGICAL SCIENCE	Credit	2+2
Semester	II	Hours	32+64
Unit -I	Biological Science as a dynamic body of knowledge		6 hrs.
	Meaning and concept of life science		
	Nature of knowledge in Biological Science		
	 Importance of life science in society 		
	 Relationship of life science with other subjects 		
Unit-II	The changing emphasis in learning Biological Science	}	5 hrs.
	General aims and objectives of Biology Science	e	
	Aims of life science teaching at different	stages of school	
	education		
	 Specification for the objectives of teaching life 	science	
	• Formulation of Instructional objectives	in life science:	
	Taxonomy of educational objectives as given by	y Bloom's	
Unit-III	Biological Science curriculum		8 hrs.

Unit-IV	 Strategies and principles of curriculum construction of secondary school Place of Biology Science in secondary school curriculum Problems connected with Biology teaching Pedagogy in Biological Science 	8 hrs.
	Strategies of teaching Biological science: Lecture method, Lecture-cum demonstration method, Discovery	
	method, Project method, Laboratory method	
	Inductive & Deductive method of problem solving method	
Unit-V	Professional Development of Biological Science Teachers	5 hrs.
	Professional competencies of Biology teacher	
	Professional ethics of Biology teacher	
	SUGGESTED ACTIVITIES	64 hrs.
	1. Survey of Biological Laboratory in a school.	
	2. Visit to wild life sanctuary/Zoo/Bio reserves/Botanical garden etc.	
	3. Projects on studies of plant and animal species in different ecosystems like ponds, grassland, forests and gardens.4. Written assignment.	
	5. Providing opportunities for group discussion.	
	6. Preparation of posters and charts to point out vitamin deficiency diseases, first aid, good posture habits, safety measures to prevent the accident at home and school, good health habits etc.	
	7. Preparation of bulletin boards with pictures, maps and posters related to conservation.	
	8. Preparation of charts, figures, models sharing various nutrition deficiency diseases in human beings.	

PHYSICAL SCIENCE METHOD

OBJECTIVES:

- To gain insight into the meaning, nature, scope and objectives of science education.
- To appreciate the science, as a dynamic body of knowledge.
- To have knowledge of aims and objectives of teaching Physical Science at secondary level.
- To teach Physical Science by using various strategies and methods.
- To identify and relate everyday experiences with learning science.
- To use various evaluation techniques.
- To prepare tools of evaluation in Physical science.
- To use various learning resources effectively.
- To conduct experiments in the laboratory.

Year	I	TEACHING OF PHYSICAL SCIENCE	Credit	2+2
Semester	II		Hours	32+64
Unit -I	Nature of Science			
	Science as domain of enquiry, as a dynamic expanding body of			

	I have a long to the state of action as in historian advancements in the state of action as	
	knowledge, role of science in bringing advancements, impact of science	
	on society (in removing superstitions, ignorance and poverty,	
	environmental concerns and ensuring gender equity), place of science	
	in school curriculum.	
Unit-II	Popularization and propagation of science	5 hrs.
	Modes of popularization and propagation of science, science fair,	
	science club, field trips, magazine, journal, museum, quiz etc. Low cost	
	life related experiences, role of science teacher in developing interest	
	of students in science subject, developing rational thinking and	
	scientific attitude	
Unit-III	Init-III Methods and strategies of teaching learning physical science	
	Use of various strategies and methods in teaching learning of Physical	
	science, - Lecture cum demonstration method, Project method,	
	Assignment method (in small groups), Problem solving method,	
	Enquiry method, Self learning strategies- Computer assisted	
	instruction, group self learning strategies. Debate, Discussion.	
Unit-IV	Learning Resources	5 hrs.
	Identification of learning resources from immediate environment,	
	utility of various learning resources, improvised learning resources,	
	presentations in the classroom, use of ICT in teaching learning of	
	Physical Science	
lieit V		8 hrs.
Unit-V	Teaching Learning of Physical Science	0 1115.
	Identification and organisation of concepts for teaching learning of	
	science/physics and chemistry (motion, work and energy, matter,	
	carbon and its compounds, energy, periodic properties of elements,	
	atomic structure, dual nature of matter, radiation etc.) designing	
	teaching learning experiences, ICT applications in learning	
	science/physics and chemistry.	
	SUGGESTED ACTIVITIES	64 hrs.
	1. Preparation of list of competencies required for an effective	
	physical science teacher (discussion)	
	2. Preparation of learning resources (charts, models)improvised	
	apparatus	
	3. Preparing assignment sheets based on the topics	
	4. Performing simple experiments in the laboratory related to the	
	content	
	(i) Verify laws of reflection	
	(ii) To measure the diameter of cylinder using vernier callipers	
	(iii)Using screw guage to measure diameter of cylinder	
	(iv)Preparation of crystals from impure sample of CuSo4	
	(v) To determine the density of solid (denser than water) by using a	
	spring balance and measuring cylinders	
	(vi) To prepare a true solution, a suspension and colloidal solution	
	(vii) To separate the components of a mixture of sand, common	
	salt and ammonium chloride (or campher) by sublimation	
	(viii) To carry out simple chemical reactions	
		İ

MATHEMATICS METHOD

YEAR	I	TEACHING OF MATHEMATICS CREDIT	
Semester	II	HOURS	32+64
disciplinary methods and	s is the usefu value. It cor l skills of tea	ul subject to one and all. It has its utilitarian value, practical value and atributes a lot to development of human civilization. This course will deaching Mathematics and students will understand its importance along of knowledge.	
OBJECTIV		nt teacher will be able to:	
:	1.	Understand nature of Mathematics as a discipline.	
	2.	Understand general objectives of teaching Mathematics.	
	3.	Formulate instructional objectives in terms of behavioural outcomes.	
	4.	Analyze the content in terms of concepts, sub-concepts and relation	between
		them.	
		Select and organise learning experiences according to content and	level of
		students.	
		COURSE CONTENT / SYLLABUS	
	Nature of N	Mathematics	
	• [The discipline of Mathematics - Its concept, nature and structure.	
TINITO T		Place of Mathematics in School Curriculum.	<i>c</i> 1
UNIT-I		Values of Mathematics [Long term objectives]: Cultural value,	6 hrs.
		Disciplinary value and Utilitarian value	
		Correlation of Mathematics with other subjects	
		Contribution of the Indian Mathematicians of Teaching Mathematics	
		Objectives of teaching Mathematics at Secondary/Higher Secondary Level: [As recommended by various reports]	
		General Objectives of teaching Mathematics [Knowledge,	
		Understanding, Application, Skills, Interest, Aptitude, Appreciation	
UNIT-II		Instructional objectives of teaching Mathematics [Knowledge,	6 hrs.
		Understanding, Application, Skills, Interest, Aptitude, Appreciation]	
		Axiomatic Framework of mathematics	
		Axioms, Postulates, Undefined terms, Defined terms	
		Proofs- types of proofs	
		f Instruction in Teaching of Mathematics	
		Content categories in Mathematics: [Facts, Concepts, Illustrations,	1
	(Generalisations etc.]	
UNIT-III	• (Content Analysis in Mathematics	8 hrs.
	•]	Problem solving, concept and its formation	
	•]	Designing of learning experiences in Mathematics	
		Lesson plan and Unit plan with their specific steps	
UNIT-IV	Various Mo	ethods/Approaches for Teaching of Mathematics	6 hrs.

	Inductive-deductive		
	Analysis Synthesis		
	Problem solving		
	{With specific illustrations for their use in teaching of Mathematics }		
	Evaluation in Mathematics		
	 Various types of questions useful in evaluation 		
	 Concept of Diagnosis in Mathematics 		
UNIT-	 Concept of Remediation in Mathematics 	6 hrs.	
	Preparation of Achievement test	o ms.	
	 Preparation of Diagnostic test 		
	Blue print		
	Preparation of question paper		
	MODE OF TRANSACTION		
Lecture	lecture cum Discussion, project work, Demonstration of A. V. Aid, Action Research,		
	Visit, Group work and its Presentation		
	SUGGESTED ACTIVITIES		
	owing practical work be carried out by the student teachers:		
• 7	Vrite an essay on nature of Mathematics and contribution of Indian Mathematicians.		
• F	reparation of various teaching aids.		
• F	reparation of programmed learning material for selected Units in Mathematics.		
• H	Evaluation of Mathematics text book.		
• (Construction of various types of test items.		
• (Construction of achievement and diagnostic tests.		
• I	dentify the slow learners, low achievers and high achievers in Mathematics from the		
C	lassroom during practice teaching. (Case study)	64 hrs.	
• (Conducting of Action Research for selected problems.		
• I	Development and tryout of Teaching-learning strategy for teaching of particular		
N	Mathematical concepts.		
Use of Computer in Teaching of Mathematics.			
Use of Mathematics activities for recreation.			
Development and use of Mathematics laboratory.			
	repare mathematical activities in the context of socio-cultural aspects.		

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GEOGRAPHY METHOD

OBJECTIVES:

- To develop an understanding of the nature of the knowledge in Geography.
- To develop an understanding in correlation aspect of the subject with other disciplines at

- secondary stage.
- To trace the changing trends in learning Geography with respect to its goals and approaches to learning.
- To develop the ability to organize learning experiences according to the nature of learning of the learner.
- To develop ability to analyze principles, designs and materials produced in the curriculum of Geography
- To identify issues and concerns related to the subject in present times.
- To examine the different ways in which learning situations can be created to learn concepts of Geography.
- To formulate different strategies for classroom transaction of knowledge of Geography.
- To explore the use and relevance of different learning resources and materials in learning different units in Geography.
- To understand the need and aims of evaluation of learning outcomes.
- To arrange the Geography laboratory in schools and develop knowledge of facilities and materials available in the laboratory that facilitate learning of Geography.
- To appreciate the importance of knowledge of Geography in day to day dealings in life.
- To inculcate right values and competencies for development in the profession of teaching of Geography.

Year	ı	TEACHING OF GEOGRAPHY	Credit	2+2
Semester	II		Hours	32+64
Unit -I	Found	dation of Geography Education		
	✓	Meaning, Concept and Importance of Geography in the present		
		context		
	✓	Nature and Scope of Geography		
		Geography and its correlation with other school su	bjects	
	✓	Geography and development of learner		
Unit-II	Teach	ning Learning of Geography		
	•	Content Analysis		7 hrs.
	✓	Differentiating between sites (location) and situation	on (place)	
	✓	Various resources and their distribution		
	✓	Patterns of human activities		
	✓	Environmental degradation and its prevention		
Unit-III	Strate	egies and Methods of Teaching Geography		
		Teacher controlled- Lecture, Demonstration, Team	teaching	0 1
		Learner controlled – Individual self learning s		8 hrs.
		(Programmed instruction), PSI (Personalised	•	
		Instruction), CAI (Computer-assisted instruction),		
		Group self-learning strategies- Discussion, Deba	•	
		Seminar, Brainstorming, Simulation through role p		
		investigation	naying, Group	
Unit-IV	Teach	ning Learning Resources in Geography		
	_	Primary and Secondary sources		6 hrs.
	✓	Various teaching aids (visual, audio and audio-visu	ials)	
	<u> </u>	various ceaching aids (visual, audio and audio-visu	<i>i</i> ui <i>o j</i>	

	✓ ICT in learning	
	✓ Geography resources room	
Unit-V	Development of Skills associated with Teaching-Learning	
	✓ Map reading and analysis	5 hrs.
	✓ Case study	
	✓ Development of observation skills	
	✓ Facilitation in development of oral and writing expressions	
	SUGGESTED ACTIVITIES	
	1. Visits to a village, locality of a town, an industrial site, a hydel power project or a mining locality and preparation of a report on its geographical personality, development problems and	64 hrs.
	measures for solution. 2. Preparation of a project report on an industry, tourism, mining, crop etc. using secondary data	
	3. Preparing a report on the status of Environmental pollution in Ranchi	
	4. Preparation of various types of learning resources	
	5. Preparing self learning instructional material	

CIVICS METHOD

Course objectives:

The course will enable student-teachers

- To develop and understand of the nature and importance of Civics/Pol.Sc.
- To understand of the place/importance of Civics/Pol.Sc.
- To acquire knowledge about aims and general objectives of Civics teaching in secondary school.
- To integrate knowledge within components of Civics/Pol.Sc with other school subject.
- To trace the changing trends in learning of Civics/Pol.Sc. With respect to its goals and approaches to learning.
- To analysis the content in learning of Civics/Political Sc. With respect to its categories, process skill knowledge organization and other critical issues.
- To develop ability to teach different content/topics of Civics/Pol.Sc. with various methods and strategies.
- To develop ability to use various learning recourses effectively.
- To develop ability to understand different political issues.
- To identify theme in Civics/Pol.Sc. In which community can be used as a learning resources.
- To identify and relate everyday experiences with learning Civics.

Year	ı	TEACHING OF CIVICS	Credit	2+2
Semester	II		Hours	32+64
Unit -I	Four	ndation of Civics Teaching		8 hrs.
	•	Meaning, nature and scope of Civics/Pol.Sc.		
	,	Aims and objectives of Civics/Pol.Sc. teaching		
	,	Correlation of Civics with different subjects		

	✓ Place and importance of Civics as a subject in the school curriculum	
Unit-II	Methods of Civics Teaching	8 hrs.
	✓ Discussion method	
	✓ Project method	
	✓ Problem solving method	
	✓ Unit method	
	✓ Source method	
	✓ Lecture-cum- demonstration method	
Unit-III	Learning resources in Civics	5 hrs.
	✓ Audio-visual aids: Picture, Chart, Map, Time line	-
	✓ Text book	
	✓ Community resources	
	✓ News paper and Magazine	
Unit-IV	Curriculum for Civics	5 hrs.
	✓ Principle of selection and organisation of the material content	
	✓ Issues and concerns of Civics curriculum addressed by NCF 2005	
Unit-V	Emerging concepts and trends in the subjects matter of Civics	6 hrs.
	✓ Current affairs and Issues	
	✓ Study of Political System:	
	Parliamentary system	
	Multi party, political system	
	Enlightened electorate	
	Central election	
	✓ Study of Political Issues-International understanding, National	
	integration	
	SUGGESTED ACTIVITIES	64 hrs.
	1. Collection of data and information about one current problem as	
	prescribed in school syllabus	
	2. Presentations related to current political issues.	
	3. Preparing Album, scrap book related to contemporary issues	
	4. To visit neighborhood and conduct a socio-economic survey	
	5. Mock Session	
	6. Organizing discussions, debates, quiz on Political and social Issues.	
	Issues.	

HISTORY METHOD

OBJECTIVES:

- Develop an understanding of the nature and importance of History.
- To understand the importance of History.
- Explore the use and relevance of different learning resources and materials in learning different units in History.
- Ability to teach different content/topics of History with various method and strategies.
- Reflect upon his/her experimental knowledge in the different processes of becoming a History student.
- Conduct History related activities through History club, History fair, History science

exhibitions during school attachment.

- Ability to develop time sense.
- Ability to use various learning of History sources effectively.
- Identify themes in History in which community can be used as a learning resources.

Year	ı	TEACHING OF HISTORY	Credit	2+2
Semester	II		Hours	32+64
Unit -I	Foun	dation of History Education		6 hrs.
	✓	Meaning nature and scope of History		
	✓	Aims and objectives of teaching History		
	✓ Importance of History			
	✓ Place of History in secondary school curriculum			
		Correlation of History with different subjects		
Unit-II	Methods of teaching History			5 hrs.
		Meaning of teaching method		
		Difference between method and technique		
	✓	✓ Types of method: story telling, source method, project method,		
		discussion method, lecture method, text book method		
Unit-III	Tech	niques of Teaching History		8 hrs.
	✓	Simulated teaching		
	✓	Team teaching		
	✓	Programme Instruction		
		Seminar technique		
	✓	Conference technique		
	✓	CAI meaning uses and its limitations		
		ICT in History		
Unit-IV	Teac	Teaching learning of History		8 hrs.
		History at different stages		
		Nationalism in Europe		
		French revolution, Russian revolution, American	revolution	
		Nasism		
		Reforms in Indian History		
		The national movement		
Unit-V		ning resources in History		5 hrs.
		Text-book		
	✓	Audio-visual aids		
	✓	Difference between Geographical and historical n	nap	
	✓	Field trip, excursion		
	~	Time line, time chart, history classroom		CAL
	4	SUGGESTED ACTIVITIES		64 hrs.
		Project work using ICT on any History lesson	tion	
		Preparation of teaching aids and organizing exhibit		
		Analysis of History text book and other curriculum	materials	
		Visiting History places and writing report		
) 3.	Preparing time line and time chart		

EPC-IV (**ICT-Part I**)

YEAR	I	ICT	CREDIT	2+1
Semester	II		HOURS	32+32
OBJECTIVES:		1 1 1		
		and their functions.		
		To develop competency among teacher trainees to use Online and		
		Off line electronic resources.		
		To acquaint teacher trainees with the facilities available on Internet.		
		To train the teacher trainees in handling MS-W		
		To explore the environment of WINDOW – O		
		To acquaint teacher trainees with the terminol	logy and Conf	iguration
		of Computers.		
TINITE I	Intuada	COURSE CONTENT / SYLLABUS	alution of	2
UNIT - I		uction to Computer System. History and Ev	olution of	HOURS
	Compt	iter System.		HOURS
	Charact	teristics of Computer System		2
		Speed		HOURS
		Storage		1100110
		Accuracy		
		Versatile Versatile		
		Automation		
		Diligence ication of Computers		
		Mechanical		2
		Electro Mechanical		HOURS
		Electronic Electronic		
	•	Digital Micro computer		
		Mini computer		
		Mainframe computer		
		Super computer		
		Personal Digital Assistant		
	Data re	presentation within Computer System		
		Binary Number System		
		Octal Number System		4
		Hexadecimal Number System		HOURS
		Conversion of data from		
		 Decimal to Binary Number System and 	d vice versa	
		 Decimal to Octal Number System and 		
		 Decimal to Hexadecimal Number System 		
		versa		
		 Binary to Octal Number System and vi 	ce-versa	
		 Binary to Hexadecimal Number Syster 	n and vice	
		versa		
		tructure and Components of Computer System	1	
	•	Hardware		

	Software	
	• Firmware	
	• Liveware	
UNIT - II	Computer Hardware and Its type	2
		HOUR
		S
	Input Device	2 HOURS
	KeyboardMouse	HOURS
	Touch screen	
	• MICR	
	 LIGHT Pen 	
	 Joy Stick 	
	 Digitizer 	
	 Scanner 	
	Output device	2
	 Visual display unit 	2 HOURS
	■ Printer ➤ Laser	HOURS
	➤ Laser ➤ Inkjet	
	Storage Device	
	 Computer Memory and its type 	
	➤ Primary Memory	2
	• ROM	HOURS
	• RAM	
	Secondary Memory	
	 Hard Disk 	
	• Tape	
	 Compact Disk 	
	Digital Video Disk	
	Pen Drive etc.	
	• Processor	
	 How to select a Personal Computer Configuration of Computer System 	
	- Configuration of Computer System	1
		HOUR
		1
		HOUR
UNIT - III	Working with Ms. Word	12
		HOURS
	Starting MS-Word: Creating a document, Opening a	
	document, saving a document, editing, formatting text,	
	viewing documents; formatting documents- line spacing,	
	paragraph spacing, setting tab, indenting text, aligning	
	text; adding header and footer; numbering page; inserting	
	a table; proofing a document- spell check, automatic spell	
	check, auto text, auto correct; printing a document; mail	

	merge; simple trouble shooting; use of MS. Word in	
Suggested Activities	education. Preparing a resume. Conversion of data from Decimal to Binary Number System and vice versa Decimal to Octal Number System and vice versa Decimal to Hexadecimal Number System and vice versa Binary to Octal Number System and vice-versa Binary to Hexadecimal Number System and vice versa Binary to Hexadecimal Number System and vice versa Starting MS-Word Creating a document Opening a document Saving a document Editing, formatting text, viewing documents; Formatting documents- line spacing, paragraph spacing, setting tab, indenting text, aligning text; Adding header and footer; numbering page; inserting a table Proofing a document- spell check, automatic spell check, auto text, auto correct Mail merge	2 HOURS 30 HOURS
	Mail mergePreparing a resume.	

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{SEMESTER – III} PAPER- VI

YEAR	II	TEACHING APPROACHES AND STRATEGIES	CREDIT	4+1
Semester	III		HOURS	64+32
OBJECTIVES:		 To understand of the role of a teacher at different phases of teaching. To write instructional objectives. To understand different skills and their role in effective teaching. To understand various concepts and maxims of teaching. 		
		COURSE CONTENT / SYLLABUS		
	Unit	I Understanding Teaching		
UNIT-I	✓	Meaning and nature of teaching Maxims of teaching Characteristics of good teaching Factors affecting teaching		10 hrs.
		es of Teaching		
UNIT- II	b	Pre active phase of teaching ✓ Visualizing the learner ✓ Framing instructional objectives ✓ Preparation of plan: unit plan and lesson plan Interactive phase of teaching: ✓ Different approaches and skills of teaching ✓ Different strategies and models of teaching: Expository Post active phase of teaching: Evaluation and Feedback	y, inquiry	18 hrs.
		loping instructional skills		
UNIT- III	✓	 Concept and nature of Micro teaching Significance of Simulated teaching Co operative and Collaborative approaches of teaching: Brain Role play and Dramatization Group discussion, Simulation and Games, Debate, Quiz, Semi 	O.	10 hrs.

UNIT- IV	Approaches to Individualized instruction		
	 ✓ Concept and Principles of Self learning ✓ Organizing Self learning Strategies: Programme Instruction, CAI, PSI, Modular Instruction, Learning Activity Packages, Learning Centers, Mini Courses. 		
	Professional development programme of teacher		
UNIT- V	 ✓ Participation in Seminar, Conferences, Workshops, On line sharing ✓ Role of reflective practices ✓ Teacher as a researcher ✓ Membership of professional organizations 	10 hrs.	
	Tremeership or professional organizations		
	MODE OF TRANSACTION Group discussion, Lecture-cum –discussion, pair and share, group work, panel discussion, Symposium, Assignments, School Visits and Sharing of experiences		
	SUGGESTED ACTIVITIES		
	1.Writing instructional objectives		
	2. Preparing lesson plan		
	3. Micro teaching classes		
	4. Appraisal classes	32 hrs.	
	5. Planning classes with collaborative approaches		
	6. Preparing resources for individualized instructions		
	7. Planning classes with different teaching models		
	8. Preparing peer appraisal reports9. Action research		

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$PAPER-V\ (B)\ (PEDAGOGY\ OF\ SUBJECTS\ PART-II\ METHOD\ I\ \&\ II)$

ENGLISH METHOD

Year	II	TEACHING OF ENGLISH	Credit	2+2
Semester	III		Hours	32+64
Unit -I	Lang	guage in Indian Schools		8 hrs.
	Cent	trality of Language in Learning, Different Scho	ol Subjects as	
	Regi	sters, Critical Review of Medium of Instruction	n, Multicultural	
	Awa	reness and Language Teaching.		
	Cons	stitutional Provisions and Policies on Language Edu	ucation : Articles	
	343-	351, 350A, Recommendations of Kothari Commis	sion, NPE 1986,	
	POA	1992, NCF 2005.		
Unit-II	Dlan	ning Classroom Teaching		6 hrs.
Omt-n		s and Objectives of Teaching English at Secondary	, stage Concent	0 111 3.
		esson Plan, Significance of Lesson Planning. Lesson		
		ry, Grammar and Comprehension. Designing	·	
		erent Methods and approaches of language teaching		
		vance of Unit Plan.	ig. concept and	
Unit-III		sation of Learning Resources		6 hrs.
	D.4	of the Third Continue December and LIPP are		
		ning, Types, Functions, Preparation and Utilizatio	_	
		ources. Use of Multi-media materials, Activity Base	• • • •	
		n Cards, Graded Readers, Newspaper Collage, La	nguage Games,	
11:4:4-11/		sroom Libraries, Language Laboratories.		6 hrs.
Unit-IV		essment of English Learning	westion of Divis	o ilis.
		E. in English. Characteristics of a good test. Const		
		t. Item Construction, Construction of English Q	•	
		structing Diagnostic Tests. Presentation of Achieve	· ·	
		ing Reports while locating 'Hard Spots' of lar		
	,	tfolio Evaluation in English). Planning Reme	ediai reaching	
Unit-V		tegies.		6 hrs.
OIIIL-V		iculum Analysis	truction English	0 1113.
		onale, Objectives and Principles of curriculum cons Ibus at National and State levels and their Cr		
			• •	
		lysis of Textbooks in different Boards. Significance ich with special reference to communication skills		
	Elißi	ish with special reference to communication skills.		
		SUGGESTED ACTIVITIES		64 hrs.
		 Writing Instructional Objectives and Lesson Plans 	5.	
		2. Practicing Skills with Lesson Plans.		
	3	3. Teaching of Basic Grammatical concepts (Parts o	f Speech,	
		Tense, Voice, Narration etc.)		
		1. Planning Alternative Teaching Strategies.		
		5. Analysis of Textbooks in English		
	(5. Analysis of Language Registers in Different Subje	cts.	

7. Use of Different Resources in English Classrooms.	
8. Preparing Language games.	
9. Preparing Evaluation Reports.	
10. A Report on the Diagnostic and Remedial Activities.	

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हिन्दी शिक्षण

Year	II	हिन्दी शिक्षण	Credit	2+2
Semester	III		Hours	32+64
इकाई १	हिन्दी	शिक्षण के उद्देश्य		4 hrs.
	✓	र् हिन्दी शिक्षण के सामान्य उद्देश्य		
	✓	र् हिन्दी शिक्षण के विशिष्ट उद्देश्य		
	✓	र्मातृभाषा शिक्षण के उद्देश्य		
	✓	िहिन्दी शिक्षण के उद्देश्य		
	भाषा	साहित्य और सौंदर्य		7 hrs.
इकाई २	✓	र्रक्ली पाठ्यक्रम में साहित्य को पढ़ाना-पढ़ना		
	✓	🗸 अनुवाद का महत्व और जरूरत		
	✓	र् कविता शिक्षण		
	✓	र्गद्य शिक्षण		
	✓	र्नाटक और कहानी शिक्षण		

		√ हिन्दी व्याकरण शिक्षण	
इकाई	३	पाठ्य क्रम और पाठ्य-सामग्री का निर्माण	6 hrs.
		✓ पाठ्यचर्या, पाठ्यक्रम तथा पाठ्यपुस्तकों का संबंध	
		 ✓ विद्यार्थी अनुरूप पाठ्यक्रम 	
		 ✓ पाठ्य पुस्तक का अर्थ तथा स्वरूप 	
		 पाठ्य पुस्तक की विशेषताएँ 	
		 ✓ हिन्दी की पाठ्य पुस्तको का स्वरूप 	
		सहायक शिक्षण सामग्री	5 hrs.
इकाई	8		5 1113.
		√ पारमपरिक सहायक सामग्री	
		 ✓ सहायक नवीन सामग्री (प्रिंट मीडिया तथा अन्य पाठ्य सामग्री) 	
		✓ आई. सी. टी., दृश्य-श्रव्य सामग्री	
		 ✓ रेडियो, टेलीविजन फिल्में 	
		 ✓ सहसंज्ञानात्मक गतिविधियों की रूपरेखा (चर्चा, वादविवाद, खेल, कार्यशालाएँ, 	
		गोष्ठी)	
		मूल्यांकन की भूमिका और महत्व	8 hrs.
इकाई	પ્	भाषा विकास की प्रगति का आकलन	
		✓ सतत् और समग्र मूल्यांकन	
		✓ आपसी मूल्यांकन	
		 ✓ पोर्टफोलियो — ॐ 	
		प्रश्नों का स्वरूपः प्रश्नों के आधार बिंदु	
		 ✓ समस्या समाधान संबंधी प्रश्न 	
		 ✓ सृजनात्मक चिंतन वाले प्रश्न ✓ कल्पनाशीलता की जीवित करने वाले प्रश्न 	
		 ✓ गतिविधि और टास्क (खुले प्रश्न-बहुविकल्पी प्रश्न) फीडबैक (विद्यार्थी, अभिभावक और अध्यापक) और रिपोर्ट 	
		्रिट्या में गृह-कार्य	
		✓ निदान एवं उपचारी हिन्दी शिक्षण	
		गतिविधि	64 hrs.
		1. एक ही विषय पर किन्हीं तीन अखबारों के संपादकीय की भाषा पर	
		बातचीत कर उनकी विषय प्रस्तुति का विश्लेषण करें	
		2. समूह में बँट कर मीडिया लेखन के तीन अलग-अलग नमूनों फीचर,	
		रिर्पोट, लेख आदि को इकट्ठा कर उसमें समानता और अंतर पर रिर्पोट दें 3. भाषा दोष को कम करने वाले दो सहायक शिक्षण सामग्री को तैयार कर	
		उ. मापा दाप का कम करन पाल दा सहायक शिक्षण सामग्रा का तथार कर उसकी प्रस्तुति।	
		4. हस्तिलिखित समाचार-पत्र का विकास	
		0. GOURDAN VEHAN 351 30 1430/1	

अनुमोदित पुस्तकें

हिन्दी शिक्षण - शिखा चतुर्वेदी

हिन्दी शिक्षण - बी. एल. शर्मा

हिन्दी शिक्षण - मीनाक्षी भटनागर

हिन्दी शिक्षण - गिरीश पचौरी, सीमा रानी

हिन्दी शिक्षण के आधार - सरोज अग्रवाल, सुरक्षा बंसल, बी. के. माहेश्वरी

BIOLOGICAL SCIENCE METHOD

Year	I TEACHING OF BIOLOGICAL SCIENCE Credit	2+2	
Semester	II Hours	32+64	
Unit -I	Learning Resources in Biological Science	8 hrs.	
	 Uses of resources for Biological Science teaching- audio-visual aids: charts, models, real object, computer aid learning etc Characteristics of a good text book Effective use of text book 		
Unit-II	Jnit-II Life science Activities		
	 Development of Aquarium, Vivarium and terrarium. Planning and organization of Biological Science fair Biological science clubs Excursion Uses of resources for Biological science teaching:- Museum and Botanical garden 	6 hrs.	
Unit-III	Biological science laboratories and related activities	6 hrs.	
	 Need and importance of Biology laboratory Planning and organization of biology laboratory Different types of science laboratory 		
Unit-IV	Evaluation in Biological science	6 hrs.	
	 Needs and objectives of evaluation Purposes and functions of evaluation Practicing continuous and comprehensive evaluation to test regular progress Framing different types of tests and different types of questions (objectives, essay and short answer type 		
Unit-V	Planning for learning in Biological sciences	6 hrs.	
	Steps and advantages of designing lesson plan for Biology content		
	SUGGESTED ACTIVITIES	64 hrs.	
	 Preparation of lesson/unit plan. Practice the skill of collection, fixation and preservation of Biological/plants materials. Preparation of charts/models etc. Group/individual presentation. Observe and draw different microscopic permanent slides. Demonstration and use of bleaching powder in nearby community well. A visit to a nearby pond/factory to observe various sources of pollution in water and air. Preparation of tables and charts to indicate calorific values of vegetarian and non-vegetarian food stuffs. 		

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Training Curriculum Development, UNESCO - UNEP

International series 26 prepared by NCERT, New Delhi.

NCERT: Procedures for Developing an Environmental Education Curriculum, UNESCO-UNEP International Environmental Education Programme, Environmental Education series 22, New Delhi.

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PHYSICAL SCIENCE METHOD

Year	II	TEACHING OF PHYSICAL SCIENCE Credit	2+2		
Semester	III	Hours	32+64		
Unit -I	it -I Planning for the effective teaching learning				
	Identification of the objectives, Formulating objectives (specific)				
	Presentation of content, Assessment of learning				
		Use of learning resources, Mode of transaction, ensuring			

	learner's participation, Unit planning, selection of strategies of curriculum transaction, preparation of learning resources, PPT preparations.	
Unit-II	Assessment of Learning Meaning and purpose of Evaluation in Physical science scheme of CCE, Evaluation techniques, Formative and summative Assessment, Types of tests - Written test, practical test, online test, activities etc.	6 hrs.
Unit-III	Developing questions covering cognitive, cognitive and affective domain, Essentials of a good question paper, Construction of a question paper and developing blue print, Reporting performance of learner	6 hrs.
Unit-IV	Physical Science curriculum for schools in India Curriculum reforms suggested in NCF 2005, Process of curriculum development, Models of curriculum	6 hrs.
Unit-V	Professional development of science teachers Professional development programmes for science teachers, participation in seminars, conferences, field visits, online sharing, Teacher as researcher	6 hrs.
	SUGGESTED ACTIVITIES 1. Preparing lesson plans form the content 2. Preparing power point presentations on the topics 3. Planning and conducting experiments in the laboratory 4. Recording and evaluation of practical work 5. Preparing a question paper and developing criteria of assessment 6. Suggesting ways to make science teaching interesting by adopting innovative/alternative ways of teaching 7. Organising activities of science club 8. Preparing Evaluation Reports. 9. Unit Planning	64 hrs.

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Taber K.S.: Chemical Misconceptions-Prevention, Diagnosis and cure volume 1 and 2, London 2002 (Royal Society of Chemistry)

Web Sites

UNIT-I

1. http://www.tc.columbia.edu/mst/science ed/courses.asp.

Discovery Method Project Method

2. http://www.edu.uwo.ca

		MATHEMATICS METHOD			
YEAR	II		CREDIT	2+2	
Semester	III	TEACHING OF MATHEMATICS	HOURS	32+64	
Essence of	the C	ourse:			
This course	is des	signed to equip the learners to use ICT in various ways in teaching	ng and learni	ing of	
Mathematic	s. The	e learners will be able to construct many forms of tests in Mather	matics. They	will	
have unders	tandi	ng of innovations and implications of researches in the field of N	lathematic e	ducation.	
OBJECTIVE	ES:	Students will be able to			
		1. Design appropriate teaching – learning strategy/approac	ch suited to	particular	
		content.			
		2. Use ICT and various teaching aids in teaching of Mathen	natics		
		3. Evaluate Mathematics Text Book.			
		4. Construct achievement test and diagnostic test.			
		5. Understand innovations and implications of research	hes in the	field of	
		Mathematics Education.			
COURSE CONTENT / SYLLABUS					
Various Methods/Approaches for Teaching of Mathematics					
IINIT I	Laboratory Method				

8 hrs.

	{With specific illustrations for their use in teaching of Mathematics}	
UNIT-II	 Use of ICT in teaching of Mathematics Concept of ICT Pedagogical issues Need of Technological Pedagogical Content Knowledge (TPACK) in Mathematics Use of various Audio Visual aids in teaching of Mathematics - Charts, models, overhead projector, films with their specific use and limitations Use of Computer and other ICT equipments Curriculum and Text book of Mathematics 	10 Hours
UNIT-III	 Curriculum at upper primary, secondary and Higher secondary level: [A critical review with respect to Principle of Curriculum Design.] Functions of Mathematics Text Book Characteristics of a good text book Evaluation of Mathematics Text book : [Physical aspects, academic aspects] 	10 Hours
UNIT-IV	 Research in Mathematics Education Meaning of Research with respect to Mathematics Education Action Research in Mathematics Implications of researches in the field of Mathematics education 	9 Hours
UNIT-V	Innovations in teaching of Mathematics • Teaching of Mathematics in the context of socio-cultural aspects • Recreation in Mathematics (Mathematics Club & Activities for Mathematical creativity & Vedic Mathematics) • Mathematics Laboratory • Cooperative learning in mathematics • Mastery Learning Strategy	1 Hours
Lecture, le	MODE OF TRANSACTION ecture cum Discussion, project work, Demonstration of A. V. Aid, Action Research Group work and its Presentation	ch, Visit,
 Identhe c Con Dev 	SUGGESTED ACTIVITIES In practical work be carried out by the student teachers: Itify the slow learners, low achievers and high achievers in Mathematics from classroom during practice teaching. (Case study) ducting of Action Research for selected problems. elopment and tryout of Teaching-learning strategy for teaching of particular hematical concepts.	64 hrs.

- Use of Computer in Teaching of Mathematics.
- Use of Mathematics activities for recreation.
- Development and use of Mathematics laboratory.
- 13. Prepare mathematical activities in the context of socio-cultural aspects.

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GEOGRAPHY METHOD

Year	II	TEACHING OF GEOGRAPHY	Credit	2+2
Semester	Ш		Hours	32+64
Unit -I	Plann	ing of Instruction		8 hrs.
	✓	Aims of teaching Geography and writing instructio	nal objectives	
	✓	Lesson planning, Unit planning		
	✓	Importance of teaching-learning resources	in teaching	
		Geography		
		Use of teaching-learning resources contextually		
Unit-II		sment of Learning in Geography		7 hrs.
	A. Eva	aluation: different dimensions		
	✓	Meaning and purpose of evaluation in Geography		
	✓	Scheme of CCE- Formative and Summative evalua	tion	
	✓	Concept, need and importance of diagnostic tests	and remedial	
		work in Geography		
	B. To	ols of assessment in Geography		
		Essentials of a good question paper		
		Test construction		
		Preparing the blue print		
	✓	Reporting performance of learner		
Unit-III	Geography Curriculum for School in India			6 hrs.
	✓	Curriculum reforms (NCF, 2005)		0 1113.
		Curriculum development process		
		Models of curriculum		
Unit-IV	Evalua	ation of Syllabi and Text		7 hrs.
	✓	Discussion and assessment of any three syllab	i of different	
		boards		
	✓	Discussion and assessment of any three or four	text books of	
		different boards		
Unit-V	Profes	ssional Development of Geography Teacher		4 hrs.
	✓	Need for up-gradation of pedagogical skills	in teaching	
		Geography		
	✓	Participation in Seminars, Conferences, Online sha	ring, Distance	
		learning		
		Membership of professional organizations		
	✓	Role of self-appraisal in professional development		

SUGGESTED ACTIVITIES	64 hrs.
1. Preparing a lesson plan/Unit plan	
2. Preparing learning resources contextually	
3. Writing instructional objectives for a lesson	
4. Constructing an achievement test	
5. Preparing blue print for a test	
6. Writing report on the evaluation of curriculum of different boards	
7. Conducting an activity on environmental conservation in secondary school during practice teaching and preparing a report on it	

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CIVICS METHOD

Year	II	TEACHING OF CIVICS	Credit	2+2
Semester	Ш		Hours	32+64
Unit -I	Teac	hing process in Civics		8 hrs.
	•	Lesson planning- designing of lesson steps and	exposition of	
		lesson planning		
	٧	Process of writing instructional objectives in a beh	avioural terms	
Unit-II	Asse	ssment of Learning of Civics		6 hrs.
	A. E	valuation–different dimensions		
	v	Meaning and purpose of evaluation in Civics		
	•	Scheme of CCE		
	v	Formative and summative evaluation		
	٧	Construction of unit test		
Unit-III	Con	tent Analysis		6 hrs.
	٧	Constitution design and the need for laws		
	v	Parliamentary system		
	v	Untouchability Gender Religion and Caste		
	v	Democracy: outcomes of democracy		
	•	Challenges of federalism		
	v	Marginalization		
	Gov	ernment		

	Union	
	• State	
	• Local	
	✓ Indian constitution and its main features	
	✓ Fundamental rights and duties	
Unit-IV	New Dimensions/Innovation in Civics	6 hrs.
	✓ Micro Teaching, Team Teaching, Simulated Teaching, Programmed Instruction, Multi Media Interactive Approach,	
	ICT	6.1
Unit-V	Assessing syllabus and textbooks	6 hrs.
	✓ Need of text book in Civics teaching	
	✓ Characteristics of good text book	
	✓ Text book of Civics in Indian school	
	✓ Analysing text book of different boards at secondary stage on	
	the basis of the guideline/criteria suggested by NCF 2005	
	SUGGESTED ACTIVITIES	64 hrs.
	1. Preparing teaching aids	
	Constructing unit test during practice teaching	
	3. Using ICT for preparing one topic of Civics at secondary stage	
	4. Visit to political institution/Govt. Institution and submit an	
	analytical report on the functioning of the elected bodies	
	5. To meet the elected representatives and submit a report on the	
	basis of discussion/ Interview with them	

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HISTORY METHOD

Year	11	TEACHING OF HISTORY	Credit	2+2
Semester	Ш		Hours	32+64
Unit -I	Issues	s and concerns in History		8 hrs.
	✓	Importance of local History		
	✓	Teaching of controversial issues		
		Current events in History		
	✓	Issues and concerns in History curriculum addr	esses in NCF	
		2005		
Unit-II		ry curriculum		6 hrs.
		Meaning of curriculum		
	√	Principles of curriculum constructions		
	✓	Innovation in curriculum		
		Advantage of curriculum construction		
		Psychological basis of selection of facts, organizati	ion of facts	
		Content of History syllabus		
Unit-III	Teach	aching of Process in History		6 hrs.
		Aims of teaching history and writing instructional	objectives	
		Less on planning	objectives	
		Content-analysis, writing objectives, designing of l	esson	
Unit-IV		sment of learning History	.000011	6 hrs.
	√			
	✓	Difference between evaluation and measurement		
	✓	Types of evaluation		
		Principal of construction of question papers at diffe	erent stages	
		C.C.E. in History	C	
Unit-V		ry teaching and National and International integ	ration	6 hrs.
		Need of national integration		
	✓	Meaning of national integration		
	✓	Role of history for national integration.		
	✓	real or instally in the development of	international	
		understanding		

SUGGESTED ACTIVITIES	
1. Planning of lesson on History units of class 7 th , 8 th , 9 th , 10 th	64 hrs.
2. Preparing question papers	
3. Construction of objectives types of tests	
4. Assignment on current issues	

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{SEMESTER- IV} PAPER- VII

YEAR	II	KNOWLEDGE AND CURRICULUM	CREDIT	4+1
Semester	IV	KNOWLEDGE AND CURRICULUM	HOURS	64+32
OBJECTIVES: 1. To acquaint the students with the changing paradigms of education		ducation.		
		2. To enable the students to understand models and	process of	curriculum
		development		
		3. To enable the student to understand the strategies of curric	culum implem	entation

	4. To enable the students to understand the ways of curriculum evaluation		
	5. To enable the students to examine issues in curriculum development		
	COURSE CONTENT / SYLLABUS		
		ı	
	Epistemological Base of Knowledge		
	✓ Concept of Knowledge✓ Structures and forms of Knowledge		
	✓ Difference between information knowledge belief and opinon	15	
UNIT-I	✓ Nature of knowledge in different disciplines	hrs.	
	Inquiry Training Model	1115.	
	Concept Attainment Model		
	Advance Organizer Model		
	Educational Implication of Knowledge Base		
	✓ Different approaches of knowledge transaction	o	
UNIT-II	✓ Knowledge base in different modes of education face to	8 hrs.	
	face/tutorial/large group/oral-aural/ group based / individualized/	1115.	
	distance mode digital mode/virtual mode		
	Concept of Curriculum		
	✓ Meaning, nature and concept of curriculum	10	
UNIT-III	✓ Characteristics of Curriculum of different stages	12	
	✓ Components of curriculum	hrs.	
	✓ Nature of knowledge in different types of curriculum		
	Dynamics of Curriculum Development		
	✓ Need and importance of Curriculum development	13	
UNIT-IV	✓ Principles of Curriculum development	hrs.	
	✓ Factors affecting Curriculum development	1113.	
	✓ Process of Curriculum development		
	Curriculum Evaluation and Issues		
***********	✓ Criteria for evaluating the curriculum	16	
UNIT-V	✓ Curriculum reforms with special reference to Mudaliyar, Kothari	hrs.	
	Commission, NPE 1986 and NCF 2005		
	✓ Analysis of existing Curriculum State Board/ CBSE/ICSE. MODE OF TRANSACTION		
	Group discussion, Lecture-cum –discussion, Pair and Share, Group Work, Panel		
	discussion, Symposium, Assignments, School visits and Sharing of experiences		
	SUGGESTED ACTIVITES		
	1 Analysis of School curriculum at different stages		
	2 Designing an activity based curriculum		
	3 Textbook analysis		
	4 Visit to different schools (Pvt. &Govt.) to analyse the role of different		
	personnel in Curriculum development process	32 hrs.	
	5 Evaluation and preparation of a report of existing curriculum of different		
	boards: CBSE/ICSE/State Board		
	6 Group discussion over issues concerning curriculum in Indian schools		
	7 Policy analysis on curriculum framework 8 Analysis of position papers on different subjects' curriculum		
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PAPER-VIII

YEAR	II	CREATING AN INCLUSIVE SCHOOL	CREDIT	4+1
Semester	IV	CREATING AN INCLUSIVE SCHOOL	HOURS	64+32
OBJECTIVE	S:	1.To sensitize regarding the needs of Special children.		
		2.To understand the concept of Special Education, Main stream	aming and Inc	lusion.
		3.To analyse the status of Inclusive Education in India with	th reference t	o different
		Policies, Programmes and Acts regarding rehabilitation Spe	ecial Children	

	4. To realise the nature and needs of different categories of Special Children.		
	5.To comprehend and apply special techniques of teaching Special Children.		
	6.To analyze the role of Parents, Teachers (special schools/regular), Community		
	Peers, Principals etc.		
	7.To analyze the role of parents, teachers (Special Schools and Regular / Genera		
	Schools), community, peers, principals, etc.		
	8.To comprehend and apply the special techniques of teaching the disable	led and	
	evaluating impaired children.		
	9.To critically think on issues of special Education and Inclusive Education.		
	COURSE CONTENT / SYLLABUS		
	Concept of Special School, Main Streaming and Inclusion		
	✓ Special Education: Concept and History		
******	✓ Different Ways of Main Streaming	10	
UNIT-I	✓ Inclusive Education : Concept and Definition	hrs.	
	✓ Difference between Integration and Inclusive Education		
	✓ Factors Affecting Inclusion		
	National Policies, Programmes and Acts for Inclusive Education		
UNIT-II	✓ NPE-1986, Policies guide lines on Inclusive Education, UNESCO- 2009		
	✓ UN convention on Rights of the Child, UNESCO-1989	12	
	✓ UN convention on Rights of the Person with Disability, UNESCO-2006,	hrs.	
	Acts- RCI Act 1992, PWD Act- 1995, National Trust Act-1999, RTE	1113.	
	Act—2009		
	Understanding Diversities		
	✓ Concepts, characteristics, classification of children with diversities		
	✓ Visual Impairment		
UNIT-III	✓ Hearing Impairment	20	
	✓ Learning Disability	hrs.	
	✓ Locomotor and Neuromuscular Disorders		
	✓ Autism		
	Inclusion in Operation		
	✓ Parameters of Inclusive Education		
	✓ Issues in special Education and inclusive Education		
	 Early detection of disability 		
TINITE IX	 Parental Attitude 	10	
UNIT-IV	 Community Awareness 	hrs.	
	 Special School versus Integrated school, Inclusive School 		
	 Rehabilitation of disabilities 		
	✓ Role of the Parent, Community, Peers, Resource Person, Itinerant		
	Teacher, Shadow teacher, Head master and Teacher.		
	Inclusive schools and developing Support Networks		
UNIT-V	✓ Models of Inclusive education	12	
OIVII-V	✓ Concepts of an Inclusive School- Infrastructure and Accessibility	hrs.	
	Contopie of an inclusive solicor influentactate and reconstrainty		

MODE OF TRANSACTION Lecture, Discussion, Case Study, Field Visits, Problem solving, Film Show	
SUGGESTED ACTIVITIES	
1. Collection of data regarding children with special needs from Municipal records.	
2. Visit to Inclusive Schools and to observe classroom transaction of any one of such school in Ranchi and make a report of the same.	
3. Identifying one/two pupils with special needs in the primary schools and preparing a profile of these pupils.	
4. Preparation of teaching aids, toys, charts, flash cards for children having any one type of disability.(Visit to Resource Room)	32 hrs.
5. Preparation of Lesson Plan and instruction material for teaching students with disability in inclusive school.	
6. Developing list of teaching activities of CWSN in the school.	
7. Case study of one main streamed (Inclusive) student w.r.to	
a) Role of a parent	
b) Role of a teacher: Special School teacher, General School Teacher	
c) Role of Counselor	
8. Visit to different institutions dealing with different disabilities and their	
Classroom observation	

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EPC-IV (**ICT- Part II**)

Semester IV OBJECTIVES: 1. To acquaint tea			
ORIECTIVES. 1 To accommend to	P	HOURS	32+32
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	cher trainees with different parts	s of Com	puter System
and their function	ons.		
=	To develop competency among teacher trainees to use Online and Off		nline and Off
	line electronic resources.		
-	To acquaint teacher trainees with the facilities available on Internet.		
	To train the teacher trainees in handling MS-Word and MS-Excel.		
	To explore the environment of WINDOW – Operating System.		
6. To acquaint tea Computers.	To acquaint teacher trainees with the terminology and Configuration of		
1	CONTENT / SYLLABUS		
	Learning Tool.		4 HOURS
-	ers in schools, computer as a learn	ning	THOCKS
tool.	ors in schools, computer as a learn	iiig	
• Use of Internet	and e-mail		
	ing of internet for discovering and	d	
selecting releva			
Survey of educations			
	nd off loading relevant materials.		
	of ICT: Participating in Yahoo gro	oup.	
creating blogs e		· · · · · ·	
UNIT - V Computer Software a			4 HOURS
System Softwar	e		
■ Operatir	g System		
<u> </u>	Vhat is operating system?		
> Types of Ope			
	Comparison among various types of operating system Introduction to Windows		
Control Pane			
File Manager Accessories			
Accessories Application Sof	twore		
■ MS-Offi			
Generic Softwa			
Customized Software			
- Customized Soi	tware		
UNIT - VI MS-Excel			12 HOURS
	MS. Excel; Starting MS. Excel, of	opening	
a worksheet,	_	_	
operations- en	tering numbers, texts, date &		
	ing worksheet- deleting cells,		
	ting cells, rows, columns, prin		
	nulas and functions- entering fo		
absolute and	_		

	referencing, operating in formulas, using text, data, date and time in a formula, array and named ranges. MS-PowerPoint Introduction to MS. PowerPoint; Starting MS. PowerPoint, opening a presentation, saving a presentation; Types of Presentation- Blank Presentation,	12 HOURS
	Auto content wizard, Design Template. Slider, Transition, animation, background, image, time setting, animating and rehearsing the presentation, adding sound and narration, automating the presentation, hyperlink, action buttons, running and controlling a slide show.	
Suggested Activities	 MS-Excel Opening a worksheet Saving a worksheet Spreadsheet operations- entering numbers, texts, date & time, formulas; Editing worksheet- deleting cells, rows, columns; inserting cells, rows, columns, Printing a worksheet; Formulas and functions- entering formulas, absolute and relative reference of cell, mixed referencing, Operating in formulas, using text, data, date and time in a formula, array and named ranges. MS-PowerPoint Starting MS. PowerPoint Opening a presentation Saving a presentation Types of Presentation- Blank Presentation, Auto content wizard, Design Template. Slider, Inserting transition, animation, background, image, Animating and rehearsing the presentation, Adding sound and narration Automating the presentation, Inserting hyperlink, action buttons etc. Running and controlling a slide show. 	16 HOURS
	REFERENCES:	

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EPC-V (ART & AESTHETIC)

YEAR	II	ART & AESTHETIC	CREDIT	2+2
Semester	IV	AKI & AESIHETIC	HOURS	32+64
OBJECTIVE	ES:			
 To understand meaning and concepts of Arts and aesthetics and its significance at secondary level of school education To understand the difference between Education in Arts and Arts in To identify of different performing Art forms and artists; dance, musical instrument, theatre, puppetry, etc. (based on a set of slides, for the purpose) To develop knowledge of Indian Craft Traditions and its relevance education (based on a set of slides, selected for the purpose) 			s and Arts in las; dance, mus set of slides, sets relevance in bose)	ic and elected
5. To develop knowledge of Indian Contemporary Arts and Artists; Visual (based on a set of slides, selected for the purpose)6. To develop knowledge of Indian festivals and its artistic significance				
		COURSE CONTENT / SYLLABUS		
UNIT-I	App	reciation of Art Concepts and forms of arts and craft: an introduction Significance of art in education Integrating arts and craft in school curriculum as pedagogica (with reference to NCT 2005)	al support	10 hrs.
UNIT-II	Dive	rsity of Indian Art & Craft		7 hrs.

	✓ Identification of different National and Local art and craft forms:	
	Visual art	
	Performing art	
	Traditional craft	
	Art and Aesthetics in Learning Environment	
	✓ Creative writing, Story writing, Poetry writing	
	✓ Model making, Puppet making, Clay modelling	15
UNIT-III	✓ Decorative art: Rangoli, Wall painting, Poster making, Flower	_
	arrangement	hrs.
	✓ Composition of songs, Poems and Prayer songs	
	✓ Choreography of dance	
	SUGGESTED ACTIVITIES	
	1. Develop a script of any lesson of their method subject to perform a play or	
	drama	
	2. Develop a script of street play focussing on girl's education or women	
	empowerment	64
	3. Develop an audio CD based on composed poem, songs, prayer songs etc.	hrs.
	4. Prepare useful products and decorative items from waste material	1113.
	5. Organize a competition on some decorative/performing art forms in	
	schools during your school internship programme and prepare a report on	
	it.	
	6. Visit a museum of your area exhibiting different art and craft	

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- Art of Speech by Kethlin Rich
- Bharat aur Bhartiya Natya Kala by Surendra nath Dixit
- Abhinav Raga Manjari by Pt. Bhatkhande
- 4) 5) 6) 7) Abhinav Geet Manjari by Ratanjankar
- 8) NCERT, (2006). Position Paper by National Focus Group on Arts, Music, Dance and Theatre