

SINGHANIA UNIVERSITY
PACHERI BARI (JHUNJHUNU) RAJASTHAN

SCHEME OF B.ED. EXAMINATION

The B.Ed. programme will consist of following components:

Part I	Main theory paper I to VI
Part II	Teaching Practice and Practical Work
Part III	Qualifying Compulsory Paper VII (Computer)
Part IV	Specialization (Additional optional paper VIII).

There will be six theory papers of three hours duration carrying 100 marks each for final Examination.

Compulsory Papers – I to IV

Optional Paper – V & VI

Compulsory

Paper-I	Education and Emerging Indian Society
Paper-II	Psychology of Teaching and Learning.
Paper-III	Educational System in India and School Organization
Paper-IV	Educational Technology and classroom Management

Optional

Paper V & VI Contents cum Methodology Teaching Learning-

Under Paper V and VI candidate shall be required to offer any two papers from the following:-

Hindi	Sanskrit
English	Social Studies
History	Civics
Geography	Mathematics
Physics	Biology

(1)

Chemistry

General Science

Home Science

Economics

Qualifying Compulsory Paper: Paper VII-

Computer Literacy and Education Application

Paper VIII Specialization (Additional optional)

1. Environmental Education
2. Population Education
3. Educational and Vocational Guidance
4. Measurement and Evaluation
5. Elementary Education
6. Comparative Study of Education: India & Abroad

Graduates in Arts, Science, Commerce Streams shall have to offer any two teaching subjects studied at Graduate Level at least for two years for paper V & VI.

Evaluation Papers I to VI

Each theory paper will carry 100 marks out of which 80 marks will be of theory paper at the final examination and 20 marks to be internally assessed. Out of the 20 marks, 10 marks shall be for assessing the sessional work and 10 marks for the mid-term test.

III. Question Papers:

1. Each question paper (in papers I to VI) will have two sections. Section 'A' will contain 12 short answer type questions, out of which candidate will be required to attempt 7 questions each carrying 5 marks. Section 'B' will contain three essay type questions with an internal choice for each question. Essay type question will carry 15 marks.
2. Short answer type questions should aim at testing

(2)

- knowledge of concepts, facts, definitions, laws, principles and generalizations etc. & also testing of understanding of principles & concepts etc. The answer to such questions not exceed a page for each question.
3. Essay type questions are to aim at testing abilities of critical thinking and application of principles etc. taught in theory.
 4. The syllabus of content part in papers V & VI shall be the same as prescribed in the relevant teaching subject (optional wherever provided) for the Senior Secondary Examination of the Board of Secondary Education, Rajasthan, Ajmer from time to time.
 5. No direct question will be set in this content part but it will be evaluated along with methodology prescribed in the syllabus i.e., the questions set on this part will be based on the application of methodology.
 6. (i) Each questions paper set on subjects included under Paper V and VI will have two sections. Section 'A' will contain 12 short answer type of 5 marks each. Section 'B' will contain 3 essay type questions with an internal choice for each question and each essay type question will carry 15 marks.
(ii) Section 'A' will further have section A₁ and A₂. Section A₁ will have 5 questions related to the content based methodology & section A₂ will have 5 questions related directly with methodology. Candidates will be required to attempt 4 questions from section A₁ and 3

(3)

question from section A₂ of these parts of Section A.

7. The first of the three questions set in Section 'B' in papers included under Paper V to VI will be on content based methodology. The internal choice given in this question will be also of the same nature i.e. content base methodology (application of the methodology in content area).

PART II

IV Teaching Practice and Practical Work

The Teaching Practice will carry 300 marks comprising of:

1. Internal assessment 150 Marks
2. External Examination 150 Marks

Board of Examiners for Teaching Practice. As far as practicable each candidates will be examined by atleast one examiner of his stream. Board will consist of two external examiners and Principal or his nominee. The name of Internal Examiner may be proposed by Principal.

Internal – The distribution of 150 marks of Internal assessment shall be as follows:-

Internal Assessment Scheme

S.No.	Activities	Marks Distribution
1.	Micro Teaching (5 skills) (Each skill of 2 marks)	10
2.	Regular Practice Teaching including unit Test (each subject of 25 marks).	50
3.	Criticism Lesson (Each subject of 10 marks)	20
4.	Observation	05

(4)

	I. Criticism Lesson	
	II. Demonstration	
	III. Ordinary Lesson	
5.	Teaching Aids	05
	(For Arts Student- four in each method subject)	
	(For Science Student – two teaching aids and practical in each method subject).	
6.	Practical in the Audio Visual equipments – two	05
	(to be evaluated by Audio Visual in charge)	
7.	Open air session/SUPW camp and community service	20
	1. Beautifications and Shramdan	
	2. Community Participation	
	3. Studies (work experience related with some theory course)	
	4. Cultural and literary activities & games.	
8.	Internship (Block Practice teaching).	
	1. Teaching of Method Subject (15 x 1 = 15)	15
	2. Social Participation in group.	05
	3. Participation in activities of school.	10
	4. Report of any feature of school/Case Study/Action Research	05
	Grand Total	150

V. Organization Evaluation of Practice Teaching:

1. Every candidate will teach at least 40 lesson (20 lesson in each subject) during Practice teaching session. At least ten lesson in each subject should be supervised.
2. 40 lessons as desired in the syllabus should be completed as full period classroom lesson.

(5)

Micro teaching lesson be used in addition to those 40 lessons for developing certain teaching skills.

3. A minimum of ten lessons in each subject will be supervised evaluated by the subject specialist or a team of specialists of the subjects.
4. By and large, the evaluation of the performance in the practical teaching will be based on the last ten lessons in the subject when the student has acquired some competence and skills of teaching.
5. The internal assessment in practice of teaching will be finalized by the principal with the help of the members of the teaching staff and the same will be communicated to the University before the commencement of the practical each year.
6. Each candidate should be prepared to teach two lessons (one in each subject) at the final practical examination. The external examiners may pickup atleast 10% of candidates to deliver two lessons.
7. There will be a Board of Examiners for the external examination for each college which will examine each candidate in atleast on lesson and a minimum of 15% in two lessons (one in each of two subjects).
8. The Board of Examination will consist of:
 - (a) The Principal of the college concerned.
 - (b) A principal or a senior & experienced

(6)

- member of the teaching staff of another training college, affiliated to Singhania University.
- (c) An external examiner from outside the Singhania University or a senior member of the teaching staff of an affiliated training college.
- (d) The Board as far as possible will represent Humanities, Languages and science.
- 9. Approximately 40 lessons will be examined by the Board each day.

VI. Working out the result & awarding the division:

- (i) A candidate in order to be declared successful at the B.Ed. Examination shall be required to pass separately in Part I (Theory) & Part II (Practice of Teaching).
- (ii) For a pass in Part I (Theory) a candidate shall be required to obtain atleast (a) 30 percents marks in each theory paper and sessionals (24 marks out of 80 and 6 marks out of 20); (b) 36 percent marks in the aggregate of all the theory papers.
- (iii) For a pass in Part II (Practice of Teaching) a candidate shall be required to obtain separately at least-
- (a) 40 percent marks in external examination.
- (b) 40 percent marks in internal assessment.
- (iv) The successful candidates will be classified in three divisions and shall be assigned separately in theory and practice of teaching as follows:

Division	Theory	Practice of Teaching
I	60%	60%
II	48%	48%
Pass	36%	36%
Comp. Pr.	36%	40%

**VII Part III Qualifying Compulsory Paper – VII
Computer Literacy & Educational Applications**

- (a) Each candidate is required to qualify this paper for obtaining the degree. However the marks obtained in this paper will not be included to determine the overall division.
- (b) This paper will consist of 100 marks (50 marks for Theory taken by a board of examiners consisting of one external and one internal examiner.
- (c) In order to be declared successful in this paper candidate must obtain a minimum of 30% marks separately in Theory and Practical and 36% in aggregate.

Evaluation

1.	Theory Paper of	50 Marks
2.	Practical Examination	50 Marks
	(a) Practical Examination	20 Marks
	(b) Submission of Report	20 Marks
	(c) Viva	10 Marks
	Total	50 Marks

VIII Part IV Specialization Additional Paper-VIII

- 1. Candidates may offer anyone of programme mentioned under paper VIII. Each will consist of 100 marks out of which 80 marks will be theory paper at the final examination and 20 marks to be internally assessed out of 20 marks, 10 marks shall be for assessing the sessional work and 10

- marks for the mid-term test.
2. Marks obtained in this paper will not be included to determine the overall division but if successful, a mention will be made to the effect in the degree conferred.
3. The examination paper will comprise of questions based on the theoretical as well as practical work prescribed for the paper.
4. (i) Questions paper set on subjects included under Paper VIII will have two sections. Section 'A' will contain **12 short answer type question** of 5 marks each. Section 'B' will contain 3 essay type questions with an internal choice for each question and each essay type question will carry 15 marks.
(ii) Candidates will be required to attempt only 7 questions out of 12 questions from Section A and three questions from Section B which have internal choice.
5. The practical work record shall be properly maintained by the college and may be made available for satisfaction of external examiners in practice teaching who are expected to submit a report regarding this separately.
6. In order to be declared successful in Additional Special Programmes, the candidates must obtain a minimum of 50 marks in this paper.

Paper VIII. Special Papers:

Anyone of following may be offered:

1. Environmental Education
2. Population Education
3. Physical Education

4. School Library Organization
5. Educational and Vocational guidance
6. Measurement and Evaluation
7. Elementary Education.

PAPER-I

EDUCATIONAL AND EMERGING INDIAN SOCIETY

Objective

To enable the Student teacher to understand:

1. The relationship between philosophy & education, how different philosophical system have influenced the education.
2. The context in which various educational approaches have evolved in India.
3. The Provisions regarding education in the Indian constitution.
4. The need to study education in a sociological perspective. The Process of social change influencing the education and the role of education in social change.
5. The role and commitment of the teachers and learners about the challenges faced in evolving new education order.
6. Role of education in changing Indian Society towards a new social order.

Course Content

Unit 1:

1. Concept, nature and Meaning, aims and the objectives of education.
2. Forms of Education-Formal, Informal, Non-Formal
3. Values and aspirations of present Indian Society.
4. Cultural heritage and its relevance in the modern

Indian education.

Unit 2:

Educational implications of the following:

1. Idealism
2. Naturalism
3. Pragmatism

Educational contribution of the following:

1. Jainism
2. Geeta
3. Buddhism
4. Ravindra Nath Tagore
5. M.K. Gandhi
6. Swami Vivekanand
7. Sri Aurobindo Ghosh

Unit 3: Indian Constitution and the status of education with reference to the following:-

1. Universalisation of education.
2. Equality of opportunities in education.
3. Education and fundamental rights and duties.
4. Relationship between education & democracy.
5. Role of education in developing Socialistic patterns and national integration.

Unit 4:

Education as a sub System.

Education as an agent of social change, social change influencing the trend of education and social disparities.

Social Mobility, Cultural Lag, Gender disparities. Regional disparities.

The role of educational institution for creating new social orders.

Unit 5:

Emerging Indian Concerns & their educational implications.

Population education

Ecological imbalance

Globalization

Human rights

Technological invasion.

Sessional Work

(20 Marks)

- (1) One test of 10 marks.
- (2) An essay of 10 marks on any one of the foll.:
 1. Role of teacher to prepare students for responsible citizenship.
 2. Inculcation of values in the present system of education.
 3. Education opportunities
 4. Educational opportunities.
 5. Universalization of Education.
 6. Education and Culture.

PAPER-II

PSYCHOLOGY OF TEACHING AND LEARNING

Objectives

1. To develop an understanding of the basic concepts, methods and principles of Psychology and of Educational Psychology with reference to learning and teaching.
2. To develop an understanding of the nature and process of learning in the context of various learning theories and factors.
3. To develop an understanding about the various factors that affect learner like personality, intelligence, creativity and motivation.

4. To develop an understanding of the impact of social and psychological factors responsible for a balance development of personality of the learners.
5. To develop effective teaching skills in the teacher: in the making.
6. To acquaint them with various aspects of teaching such as factors that affect it, teaching models and various teaching theories.
7. To develop necessary skills to evaluate and interpret the learning outcomes.

Contents

Unit-I

1. Educational Psychology its meaning, methods, scope, Functions and applications.
2. Implications of Educational Psychology for a Teacher, Curricula, Classroom situations and learner development.
3. Growth and Development of the learner – Growth and Development meaning, Principles (Physical, social, mental & Emotional Development) and their Implications for learning.

Unit-II

1. Learning, its meaning, factors affecting learning and types of learning. (Gagne)
2. Theories of learning: Trial and Error, classic, Conditioning, Operant Conditioning, Gestalt, Piaget and Burner.
3. Transfer of learning, factors, theories, and its implications for teacher.
4. Motivation meaning and role in the process of learning.

(13)

Unit-III

1. Personality meaning, types, factors responsible for shaping in objective & Projective of assessment.
2. Intelligence meaning. Theories, measurement and role in learning.
3. Creativity meaning components, development and measurement.

Unit-IV

Psychology of adjustment, concepts of adjustment, mechanism of adjustment Ego-defense mechanisms, identification and education of mal adjusted children.

Individual differences-meaning causes and their educational Implications, (with special reference to the slow, learner, gifted delinquent, Physically disabled and Socially deprived children.

Unit-V

- (i) Group Dynamics, Classroom as a group-its impact upon learning.
- (ii) Development of a child as an individual (concept development), school and development of self-concept.
- (iii) Creative thinking, reasoning and problem-solving & the effects of social class on their development.
- (iv) Learning increments of Socialization, Individualized instruction, Diagnosing learning difficulties.
- (v) Concept of Social Learning (Bandura).

Sessional Work

(20 Marks)

- (1) One Test of (10 marks)
- (2) Any one of the following (10 marks).
 - (i) Case-Study of Special Child.
 - (ii) Administration of Psychological test and

(14)

- presentation of the result.
- (iii) Observing the behavior of an adolescent boy/girl and listing his/her characteristics and problem.
- (iv) Sociometry-preparation and interpretation.
- (v) Study of community factors that effect pupil learning.
- (vi) One experiment on any aspect of learning.

PAPER III

EDUCATIONAL SYSTEM IN INDIA AND SCHOOL ORGANIZATION

Objectives:

To enable student teacher to

1. Acquire a knowledge of the concept of Educational Administration and Management.
2. Understand the role of centre state and local agencies in managing education.
3. Acquire a knowledge of administration and supervision of education in Rajasthan.
4. Develop and understanding of principles and practices of school organization.
5. Develop and understanding of the main issues related to Indian educational system.

Unit-I

Concept, need, Characteristics, principles of Educational Administration and Educational Management.

Concept of authority, delegation of power, centralization and decentralization, direction, communication unity of command, TQM.

Unit-II

Concept, types, principles, styles, need, problems of Leadership. Leadership role of school HM in Institutional

(15)

planning.

Concept, type aims, need of Institutional planning and financial management.

School budget, nature, process of preparation, problems and solutions.

Unit-III

Meaning, old and modern concept, types, differences objectives, principles, nature, problem, remedies of supervision and inspection.

Role of school Headmaster in Supervision and Inspection. Concept, type, objectives, principles, nature, problem, remedies of following:-

- Development and maintenance of infrastructure.
- Time Table
- Planning co-curricular activities.
- School records
- Student discipline
- Overall school climate and tons.

Unit-IV

A brief survey of growth & development of education in India

- (A) Pre-Independence era:
 - (i) Education during Vedic, Buddhist and Medieval period.
 - (ii) Development during British period: Maculay's minute.
- (B) Post-independence era:

Salient features of the Secondary Education Commission 1952-53, Education commission, 1964 and National Policy on Education 1986.
- (C) Major recommendations of Education Commission (1964) & NPE, 1986 for educational administration.

(16)

Unit-V

Role of central and state agencies of education

- MHRD, NCTE, NCERT, CBSE, CAGE (Central Advisory Board of Education), NIEPA
- State Dept. of Education, RBSE, SIERT, IASE, CTE, DIET.

Sessional Work (20 Marks)

(1) One test of 10 marks.

Any one of the following: (10 Marks)

1. A detailed essay on any aspect of educational administration in India.
2. Detailed essay on any aspect of school organization.
3. Preparation of an institutional planning on any aspect of school organization.
4. A case study of a secondary school with reference to the leadership role of school Headmaster.

PAPER-IV

EDUCATIONAL TECHNOLOGY AND CLASSROOM MANAGEMENT

Objectives:

After completing this course the students & teachers will be able to:

1. Explain the concept of E.T., its types, scope and role in education practice.
2. Make use of Modern information & communication technology improve teaching-learning process.
3. Differentiate the concept of teaching, learning, training and instruction.
4. Structure the content for different levels of teaching.
5. Perform content analysis and write instructional objectives in student behavioral terms.

6. Distinguish approaches, strategies & methods of teaching and thereby plan and select the most appropriate method / strategy / communication strategies/teaching aids to the context of classroom situation.
7. Identify the different teaching skills and device various teaching strategies for development of skills.
8. Explain the concept & significance of different teaching models in relation to instructional objectives.
9. Realize the importance of feed-back devices in teacher education & develop competency to provide feed-back through different procedures.
10. Diagnose learning difficulties and to suggest the remedial procedures.
11. Develop skill of computation and use of elementary statistics.
12. Construct and use of evaluation tools and techniques.

Course Content

Unit-I

- (i) Concept of Educational Technology - Scope and its role in Educational Practices.
- (ii) Types of ET-Teaching Technology, Instructional Technology, Instructional Technology and Behavior (meaning characteristic, basic assumptions and content).
- (iii) Concept of communication, Elements of communication, Communication skills, Teaching Learning process as the process of communication.
- (iv) System Approach in Education.

Unit-II

- (i) Concept of teaching, instruction, training and learning, Relationship between teaching and learning.
- (ii) Nature of teaching and maxims of teaching.
- (iii) Content analysis
- (iv) Classification and specification of instructional behavior.
- (v) Strategies of Teaching: Group discussion, Panel discussion, Team teaching, Programmed Instruction (concept, organization, merits and limitations), Computer Assisted Instruction (CAI).

Unit-III

- (i) Concept of Teaching Effectiveness and its development.
- (ii) Meaning and concept of Teaching Skills.
- (iii) Micro-Teaching, its meaning, need and concept, micro-teaching.
- (iv) Skill of questioning, probing, illustrating reinforcement, stimulus variation & using Black Board (concept, components and observation schedule).
- (v) Concept, steps and significance of following teaching models:
 - I. Enquiry Training Model
 - II. Concept attainment Model
- (vi) Concept of feed-back in teacher education. Flanders' interaction analysis category system (FIACS).

Unit-IV

- (i) Concept of measurement and evaluation and purpose, types of evaluation.

(19)

- (ii) Characteristics of good test.
- (iii) Steps of achievement test construction.
- (iv) Concept and the procedure of Educational diagnosis and their characteristics.
- (v) Diagnostic Test.
- (vi) Concept of Remedial teaching, Preparation of a remedial programme.

Unit-V

- (i) Importance and uses of Educational Statistics.
- (ii) Frequency distribution.
- (iii) Graphical presentation: Histogram, Frequency Polygon, Ogive.
- (iv) Measures of Central tendency mean, median and mode.
- (v) Measures of dispersion-Standard Deviation.
- (vi) Correlation, its interpretation, Rank difference correlation.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following: (10 Marks)
 - 1. Preparation of a Diagnostic Test on a unit.
 - 2. Preparation, try out & reporting of an instructional plan based on teaching strategies (any one viz. Group discussion, panel discussion, team teaching).
 - 3. Observation of two lessons of the same student - teacher for encoding and decoding on the basis of FLACS.
 - 4. Preparation of Action plan.

पेपर 5 एवं 6
हिन्दी शिक्षण

(20)

उद्देश्य:-

1. भाषा संरचना में हिन्दी भाषा तत्वों का ज्ञान देना।
2. श्रवण, भाषण, वाचन एवं लेखन संबंधी भाषायी कौशल का ज्ञान देना।
3. इकाई, दैनिक व सूक्ष्म पाठ योजनाओं के महत्व से अवगत कराना व निर्माण का ज्ञान देना।
4. हिन्दी भाषा शिक्षण प्रणालियों के उपयोग का ज्ञान देना।
5. हिन्दी की विधाओं एवं उनके व्यावहारिक शिक्षण की संस्थितियों का ज्ञान देना।
6. हिन्दी भाषा शिक्षण में दृश्य, श्रव्य उपकरणों के व्यावहारिक उपयोग का ज्ञान देना।
7. हिन्दी शिक्षण में मूल्यांकन के महत्व, मूल्यांकन की संस्थितियों व विद्याओं का ज्ञान देना।
8. निदानात्मक एवं उपचारात्मक परीक्षण के अर्थ, स्वरूप, महत्व एवं उपयोग का ज्ञान देना।
9. मातृभाषा एवं राष्ट्रभाषा के रूप में हिन्दी की स्थिति से अवगत कराना।

इकाई (1)

1. भाषा का वैज्ञानिक स्वरूप (वर्ण विचार, भाव विचार एवं वाक्य विचार की दृष्टि से)
2. भाषायी कौशलों के विकास हेतु निम्नांकित पक्षों के स्वरूप का शिक्षण:
(क) श्रवण (ख) उच्चारण (ग) वर्तनी (घ) वाचन (सस्वर एवं मौन) (ङ) अभिव्यक्ति (मौखिक एवं लिखित)
3. मातृभाषा/राष्ट्रभाषा के रूप में हिन्दी शिक्षण की स्थिति।
4. पुस्तकालय एवं वाचनालय का हिन्दी भाषायी विकास में उपयोग।
5. मातृभाषा का अन्य विषयों के साथ समन्वय।

इकाई (2)

1. मातृभाषा और उसका महत्व
2. मातृभाषा शिक्षण के उद्देश्य
3. मातृभाषा के सिद्धान्त
4. कला शिक्षण के सिद्धान्त

इकाई (3)

1. हिन्दी की विभिन्न विधाओं का शिक्षण
(क) गद्य शिक्षण (व्यापक एवं गहन पाठ रूप में एवं द्रुत पाठ रूप में)

- (ख) पद्य शिक्षण (रस पाठ एवं बोध पाठ रूप में)
 - (ग) नाटक शिक्षण (वाचिका एवं अभिनयात्मक रूप में)
 - (घ) कहानी शिक्षण (औपचारिक एवं व्यावहारिक शिक्षण के रूप में)
 - (ङ) रचना शिक्षण (औपचारिक एवं व्यावहारिक शिक्षण के रूप में)
 - (च) व्याकरण शिक्षण
2. हिन्दी शिक्षण में दृश्य उपकरणों का महत्व एवं प्रयोग
 3. हिन्दी भाषा शिक्षण में पाठ्य पुस्तकों का महत्व

इकाई (4)

हिन्दी शिक्षण में निम्नलिखित विधियों का ज्ञान एवं उपयोग तथा प्रथम तीन के पाठ प्रारूप:

- | | |
|----------------------|-----------------------------|
| (क) प्रायोजना विधि | (ख) पर्यवेक्षित अध्ययन विधि |
| (ग) अभिक्रमिक विधि | (घ) क्षेत्रीय भ्रमण |
| (ङ) सामुदायिक संसाधन | (च) कम्प्यूटर |
| (छ) दूरदर्शन | (ज) भाषा प्रयोगशाला |

इकाई (5)

1. हिन्दी शिक्षण में मूल्यांकन:
(क) मूल्यांकन का अर्थ व विशेषतायें
(ख) पाठान्तर्गत, पठोपरान्त मूल्यांकन
(ग) प्रश्न पत्र निर्माण एवं नील पत्र
(घ) प्रश्नों के विभिन्न प्रकार एवं रचना
2. (क) भाषा शिक्षण संबंधी विषय-वस्तु का विप्लेशन
(ख) पाठ योजना निर्माण एवं प्रकार-दैनिक पाठ योजना एवं इकाई योजना।

सत्रीय कार्य (20 अंक)

- (1) एक परीक्षा (10 अंक)
- (2) निम्नांकित में से कोई एक (10 अंक)
 1. किन्हीं दो शिक्षण कौशल के लिए सूक्ष्म पाठ निर्माण करना
 2. व्याकरण के किसी विषय पर श्रृंखला अभिक्रम का निर्माण करना।
 3. इकाई या वार्षिक प्रश्न पत्र का निर्माण
 4. एक पुस्तक की समीक्षा
 5. सहायक सामग्री के रूप में दो ट्रान्सपेरेसीज तैयार करना।
 6. व्याकरण शिक्षण से संबंधित दो चार्ट तैयार करना।

संस्कृत शिक्षण

उद्देश्यः

छात्राध्यापकः

1. भाषा कौशल एवं तृतीय भाषा शिक्षण के आधारभूत सिद्धांत एवं उद्देश्यों को जान सकेंगे।
2. संस्कृत भाषा के विभिन्न कौशलों का पृथक् एवं समन्वित शिक्षण कर सकेंगे।
3. विभिन्न विधाओं के सफल अध्यापन हेतु विभिन्न विधियों एवं उपागमों का प्रयोग कर सकेंगे।
4. संस्कृत भाषा शिक्षण में दृश्य-श्रव्य सामग्री का निर्माण एवं प्रयोग कर सकेंगे।
5. संस्कृत शिक्षण में मूल्यांकन हेतु प्रश्न-पत्र निर्माण कर कौशलाधारित परीक्षण कर सकेंगे।
6. छात्रों की अशुद्धियों का कौशलानुसार निदान एवं उपचार अध्यापन कर सकेंगे।

इकाई प्रथम

1. तृतीय भाषा शिक्षण के सिद्धांत- महत्व, प्रकार
मनोवैज्ञानिक, भाषायी तथा शिक्षण विज्ञान संबंधी सिद्धांत।
2. (अ) भाषायी कौशल—
(1) अवबोध कौशल
(2) अभिव्यक्ति कौशल
(ब) उप-कौशल एवं उनका महत्व
3. तृतीय भाषा के रूप में संस्कृत शिक्षण के उद्देश्य—
(1) माध्यमिक स्तर पर
(2) उच्च माध्यमिक स्तर पर

इकाई द्वितीय

1. भाषायी कौशल शिक्षणः सम्प्रत्यय, महत्व, विधि, प्रविधि।
(1) श्रवण कौशल— स्वर, व्यंजन, बलाघात, स्वराघात, आरोह, अवरोह, लय इत्यादि।
(2) कथन कौशल— स्वर, व्यंजन, बलाघात, स्वराघात, आरोहावरोह, लय इत्यादि एवं मौखिक अभिव्यक्ति।
(3) पठन कौशल— वर्ण, भाब्द, अक्षर पहचान, अवबोध, सस्वरवाचन, मौनवाचन।
(4) लेखन कौशल— अभिव्यक्ति कौशल, लेखन तकनीक के तत्व (Mechanics of Writing)

चारों कौशलों में सहसंबंध एवं समन्वायत्मक शिक्षण।

इकाई तृतीय

1. तृतीय भाषा के रूप में संस्कृत शिक्षण की विधियों एवं प्रविधियों के सम्प्रत्यय, महत्व, प्रक्रिया, विशेषतायें एवं कमियां—
(1) प्रत्यक्ष विधि (Direct Method)
(2) संग्रन्थन उपागम (Structural Approach)
(3) सम्प्रेषण उपागम (Communicative Approach)
(4) समग्र उपागम (Integrated Approach)
2. उपर्युक्त विधियों का निम्नांकित दृष्टि से अध्ययन एवं प्रयोग—
(1) तृतीय भाषा अधिगम मनोविज्ञान
(2) संस्कृत भाषा की प्रकृति
(3) कक्षा-कक्ष वातावरण और परिस्थितियां
(4) भाषा का व्यवहार में प्रयोग
(5) भाषा शिक्षण के उद्देश्य
(6) मातृभाषा की भूमिका
(7) शिक्षक, छात्र पाठ्य पुस्तक तथा दृश्य-श्रव्य सहायक सामग्री की भूमिका
(8) त्रुटियां व उपचारात्मक कार्य
(9) परीक्षण व मूल्यांकन

इकाई चतुर्थ

1. तृतीय भाषा (संस्कृत) शिक्षण में दृश्य-श्रव्य सामग्री—
(1) सम्प्रत्यय, महत्व एवं सावधानियां
(2) निम्नांकित का चयन निर्माण एवं इनके प्रयोग के सिद्धांत
(अ) भयामपट्ट, चित्र, चार्ट, भाब्द चित्र, फ्लैटल बोर्ड, रेडियो, कम्प्यूटर, इंटरनेट एवं ओ.एच.पी.
(ब) अभिनय, युग्म कार्य, समूह कार्य
2. संस्कृत पाठ्य सामग्री का शिक्षणः निम्नांकित का सम्प्रत्यय, महत्व, प्रयोग, विधि, प्रविधि, शिक्षण सामग्री एवं गुण-दोष
(1) व्याकरण शिक्षण
(2) गद्य शिक्षण
(3) नाटक शिक्षण
(4) कहानी विकास शिक्षण

- (5) संवाद शिक्षण
- (6) पद्य शिक्षण
- (7) रचना शिक्षण
- (8) अनुवाद शिक्षण

इकाई पंचम

1. मूल्यांकन
 - (1) भाषा में मूल्यांकन का सम्प्रत्यय, अर्थ, महत्व।
 - (2) तृतीय भाषा में मूल्यांकन का सम्प्रत्यय, व्याकरण, अनुवाद एवं भाषा कौशलों का मूल्यांकन
 - (3) तृतीय भाषा के रूप में संस्कृत का मूल्यांकन— अर्थ सम्प्रत्यय एवं महत्व
 - (4) प्रश्न पत्र निर्माण (ब्लू प्रिंट)
2. निदानात्मक एवं उपचारात्मक शिक्षण: सम्प्रत्यय, महत्व, शिक्षण एवं सामग्री निर्माण के सिद्धान्त।
 - (अ) संस्कृत में निम्नांकित का निदानात्मक एवं उपचारात्मक शिक्षण:
 - (1) श्रवण संबंधी
 - (2) कथन संबंधी
 - (3) पठन संबंधी
 - (4) लेखन संबंधी
 - (5) व्याकरण संबंधी

सत्रीय कार्य (20 अंक)

- 1) एक परीक्षा (10 अंक)
- 2) निर्देश: निम्नांकित में से किसी एक पर सत्रीय कार्य (10 अंक)
 1. माध्यमिक स्तर की किसी एक संस्कृत पाठ्य पुस्तक की समीक्षा।
 2. पाठ्य पुस्तक में सम्मिलित भाषागत अभ्यास कार्य की सूची बनाना एवं उनकी समीक्षा।
 3. संग्रन्थन उपागम पर आधारित अभ्यास कार्य की पांच तालिकाएं बनाना।
 4. विभिन्न कौशलों पर आधारित 20 प्रश्नों का निर्माण करना।
 5. रचना पाठ के लिए पांच चित्रों का निर्माण तथा उच्चारण सुधार हेतु पांच अभ्यासिकाएं बनाना।
 6. व्याकरण शिक्षण हेतु चित्र एवं अधिगम सामग्री का निर्माण (5 पृष्ठ)

7. पत्र शिक्षण हेतु अभ्यास सामग्री का निर्माण (5 पृष्ठ)
8. कहानी शिक्षण हेतु पांच चित्र एवं अधिगम सामग्री का निर्माण (5 पृष्ठ)
9. संवाद शिक्षण हेतु पांच चित्र एवं अधिगम सामग्री का निर्माण (5 पृष्ठ)
10. सम्प्रेषण उपागम आधारित शिक्षण सामग्री का निर्माण करना (5 पृष्ठ)
11. आगमन—निगमन उपागम पर आधारित व्याकरण शिक्षण सामग्री का निर्माण (5 पृष्ठ)

ENGLISH

Objectives: To enable the student teachers to-

1. Develop a good understanding of the basic concepts in second language teaching.
2. Teach basic language skills as listening, speaking, reading and writing and integrate them for communicative purpose.
3. Critically review and use appropriately different approaches and methods of teaching English as second language.
4. Prepare lesson plans on different and prescribed aspects of English as second language.
5. Choose, prepare and use appropriate audio visual teaching aids for effective teaching of English.
6. Use various techniques of testing English as second language and develop remedial and conduct teaching.

Course Content

Unit-1: Basic Concepts, Objectives and Methods of Teaching English as a Second Language:

(A) Basic Concept:

1. Mother-Language
2. Second Language
3. Difference between teaching and language teaching.
4. Principle of Second Language Teaching.
5. Forms of English-Formal, Informal, Written, Spoken, Global English.
6. English as a Second Language (ESL), English as a Foreign Language (EFL), English for Specific Purpose (ESP).

(B) Objectives

Objectives of Teaching English as a Second Language.

- (a) Skill based (LSRW)
- (b) Competence based: Linguistic Competence (LC) and Communicative Competence (CC) in reference to LSRW skills.

(C) Methods and Approaches:

Introduction to methods of and approaches to teaching of English as a second language.

- (1)
 - (a) Direct Method
 - (b) Structural Situational Approach
 - (c) Audio-Lingual Method.
 - (d) Bilingual Method.
 - (e) Communicative Language Teaching (CLT).
- (2) Role of Computer and Internet in Second Language Teaching-Computer Assisted Language Learning (CALL), Computer Assisted Language Teaching (CALT).
- (3) Eclectic Approach to Second Language Teaching.

Study of the above methods & approaches in the light of:

- (a) Psychology of second language learning.
- (b) Nature of the English Language
- (c) Classroom environment & conditions.
- (d) Language functions.
- (e) Aims of language teaching, role of mother-tongue, role of teacher learners, text-books and A.V. aids, language skills, testing, errors and remedial work.

Unit-2: Teaching of listening and speaking skills.

(a) Listening:

- (i) Concept of listening in second language.
- (ii) The phonetic elements involved in listening at the receptive level.
(Monothongs, diphthongs, consonants, pause, juncture, stress, accent, beat, intonation, rhythm.)
- (iii) Listening skills and their sub-skills.
- (iv) Authentic listening vs Graded listening.
- (v) Techniques of teaching listening.
- (vi) Role of teaching aids in teaching listening skills.
- (vii) Note-taking.

(b) Speaking:

- (i) Concept of listening in second language;
- (ii) The phonetic elements involved in listening at the receptive level.
(Monothongs, diphthongs, consonants, pause, juncture, stress, accent, beat, intonation, rhythm);
- (iii) The Stress System: Weak Forms and scheme.
- (iv) Use of pronouncing dictionary.

- (v) Phonetics transcription.
- (vi) Techniques of teaching speaking skills and pronunciation. Pronunciation practice and drills- Ear Training, Repetition, Dialogues and Conversation.
- (vii) Role of A.V. aids in teaching speaking skills.

Unit-3: Teaching, Reading and Writing skills:

Reading Skills :

- (i) Concept of Reading in second language.
- (ii) Mechanics of Reading (Eye span, Pause, Fixations, Regression);
- (iii) Types of reading: Skimming, Scanning, Silent reading, Reading aloud, Intensive Reading, Extensive Reading, Local & Global Comprehension.
- (iv) Role of speed and pace;
- (v) Relating teaching of Reading to listening and speaking skills;
- (vi) Teaching silent reading, intensive reading, extensive reading and genuine reading comprehension in terms of Inference Prediction, Critical Reading, Interpretation, Judgement, Summarizing, Central idea etc.
- (vii) Role of course reader and rapid reader, Cloze procedure, Maza method, dictionary in teaching Reading Skills.

Writing Skills:

- (a) Written skills;
- (b) Concept of Writing in First Language and the Second Language.
- (c) Types of composition oral, written, controlled, guided, contextualized & integrated composition.
- (d) Teaching the following items keeping in view

their style ingredients and mechanics; Letters (Formal & informal), Essays, Report, Telegram, E-mail, Notices, Precis, Paragraph, Developing stories, Note Making.

Unit-4.: Resources and Planning for English Language Teaching.

(a) Resources for English Language Teaching:

- (i) The Blackboard and the white board.
- (ii) Blackboard drawings and sketches.
- (iii) The Overhead Project (OHP)
- (iv) Flashcards, Posters and Flip Charts.
- (v) Songs, raps and chants.
- (vi) Video Clips
- (vii) Pictures, Photos, Postcards & Advertisements.
- (viii) Newspapers, Magazines and Brochures.
- (ix) Mind Maps
- (x) Radio, Tape-Recorder, T.V.
- (xi) Language Laboratory
- (xii) Realia
- (xiii) Stories and anecdotes.

(b) Planning for English Language Teaching as A Second Language

- (B.1): Prose Lessons:
 - (i) Content analysis:
 - (a) Planning a Unit Bases on a lesson in the Course Reader (text book).
 - (b) Identifying and listing language material to be taught (New lexical and structural items, their usage and uses).
 - (ii) Planning for teaching the content and skills in the following order:

- (a) New lexical items (vocabulary)
- (b) New Structural items
- (c) Reading comprehension
- (d) Textual exercises
- (e) Writing/composition
- (f) Unit Test
- (B.2.): Poetry Lessons:
 - (i) Components of Poetry
 - (ii) Concept, aims and objectives of teaching, Poetry in Second Language.
 - (iii) Steps of teaching, Poetry at the Secondary stage.

Unit-5. Testing and Evaluation in English

Concept of testing and evaluation in English as a second language.

- Difference in Testing in content-subjects and skill - subjects;
- Testing Language skills (LSRW), lexical and structural items and poetry.
- Type of test (Achievement test, Proficiency test, Diagnostic test, prognostic test, Formative and Summative test).
- Preparation of unit test and examination paper-their blue print and answer key.
- Types and preparation of test-items.
- Error analysis;
- Concept of need of remedial teaching and remedial work.

Sessional Work (20 Marks)

- (1) One test of (10 marks).
- (2) The student will be required to do any one of the following (10 marks).

- 1. Review of a text book.
- 2. Preparation of a list of structural items included in the text-book at a Secondary stage and its critical analysis.
- 3. Preparation of five (5) word-cards, five (5) picture cards and five (5) cross-word puzzles.
- 4. Preparation of twenty (20) test items in Listening/Speaking/Readings/Writing Skill.
- 5. Preparation of five (5) OHT for teaching structures/compositions exercises.
- 6. Preparation of CALL material (five (5) pages).
- 7. Preparation of CALT material (five (5) pages).
- 8. Preparation of Language Lab. Material of Listening/Speaking skill. (five (5) pages).
- 9. Collection of Newspaper and Magazine advertisement for teaching lexical and structural items and preparing language exercises based on them.

SOCIAL STUDIES

Objectives: To enable the student teacher to:

- 1. Define and differentiate the concept of Social Studies and explain its relative position in the Syllabus.
- 2. Understand the aims and objectives of teaching Social Studies.
- 3. Prepare Unit plans and Lesson plans for different classes.
- 4. Critically evaluate the existing school syllabus of Social Studies.
- 5. To enable the pupil teacher to review the Text-Book of Social Studies (Secondary Level)

6. Apply appropriate methods and techniques of teaching to particular topic at different levels.
7. Prepare, select and utilize different teaching aids.
8. Evaluate his pupils in Social Studies.
9. Clarify particular concepts, trends, principles, methods etc. with the help of Co-relation to similar Content of situation.

Unit-1: Nature, Scope and Objectives

- Nature, scope and concept of Social Studies.
- Importance
- Aims and Objectives of teaching Social Studies as different levels.
- Co-relation of Social Studies with other school subjects.

Unit-II: Curriculum and Planning

- Nature, scope and concept of Social Studies.
- Characteristics of good Social Studies curriculum.
- Critical appraisal of Social Studies curriculum.
- Concept and objective of lesson planning.
- Planning of daily lesson plan, unit plan and yearly lesson plan.
- Social Studies text books.
- Qualities, role and professional growth of teacher of Social Studies.

Unit-III: Instructional Strategies, Methods and Approaches

- Various methods of teaching Social Studies (Lecture, Socialized recitation Story Telling, Project, Problem Solving Methods).
- Field trips.
- Other innovative practices (Brain storming, role Playing).

Unit-IV: Instructional Support System

- Planning of Social Studies lab and its use.
- Use of mass media and Computers in Social Studies teaching.
- Resource material-use of local resources in teaching social studies.

Unit-V: Evaluation of Teaching Social Studies

- Concept and objectives of evaluation.
- Tools and techniques of evaluation in social studies teaching.
- Preparation of achievements test.
- (i) Different types of question.
- (ii) Blue Print
- (iii) Preparation of question papers.

Sessional Work (20 Marks)

- (1) One test of 10 Marks.
- (2) Any one of the following (10 Marks)
 1. Content analysis & preparation of instructional material related to any unit of subject related to Social Studies.
 2. Preparation of TV/Radio Script.
 3. Study of anyone aspect of social issue and prepare report.
 4. Collection of newspaper cutting related to Social Study's issues.
 5. Construction of different objective types test items.

CIVICS

Objectives: To enable the Student teachers to:-

1. Refresh the knowledge of student teacher about the meaning and importance of Civics.

2. Establish Co-relation of Civics with other school subjects.
3. Apply appropriate methods in teaching particular topics at a different level.
4. Select and use relevant teaching aids.
5. Imbibe and develop basic teaching skills.
6. Clarify particular concepts, trends, principles, methods etc. with the help of co-relation to similar content or situation.
7. Prepare yearly, unit and daily lesson plans.
8. Prepare achievement and diagnostic test on scientific basis.
9. Develop skills and abilities for organizing school activities related to the subject.

Unit-I: Nature, Scope and Objectives

- Concept, Nature and Scope of Civics.
- Contemporary importance of Civics.
- Aims and Objectives of Teaching Civics at different level (Elementary, Upper Primary, Secondary and Senior Secondary).
- Co-relation of Civics to other subjects.
- Role of Civics in promoting international Understanding.

Unit-II: Curriculum and planning

- Meaning and concept of Curriculum.
- Fundamental principles of formulation of curriculum in Civics.
- Critical appraisal of the existing syllabus.
- Lesson Plan- Annual Plan, Unit Plan and Daily lesson plan of teaching Civics.

Unit-III: Methods and approaches of Civics Teaching

- Various methods of teaching Civics (Project, Problem Solving, Supervised Study, Lecture, Discussion and Brain Storming).
- Innovative practices in Civics teaching.
- Field Trip
- Mock Session

Unit-IV: Instructional Support System

- Community resources
- Teaching aid in Civics Teaching.
- Techniques of interviewing.

Unit-V: Evaluation of Civics teaching

- Purpose and concept of evaluation.
- Objective based evaluation.
- Preparation of achievement test:
 - (i) Various types of question.
 - (ii) Blue Print
 - (iii) Preparation of question paper.

Sessional Work (20 Marks)

- (1) One test of 10 Marks.
- (2) Any one of the following (10 Marks):
 1. Content analysis and preparation of instructional material related to any unit of subject related to Civics.
 2. Preparation of TV/Radio Script.
 3. Study of anyone aspect of Indian Political issues.
 4. Visit any local bodies as Panchayat, Municipality, Municipal Corporation and Nagar Nigam and prepare report about the functions of local bodies.
 5. Prepare a plan of Civics class room.
 6. Preparation of a plan for equipping a civics lab.
 7. Prepare five slides related to Civics teaching contents at Secondary level.

8. Collection of news paper cutting related to Civics issues.

HISTORY

Objectives: To enable the student teachers to:

1. Understanding the concept, nature and scope of History.
2. Understand the nature of history as continuous process of development and change.
3. Understand the aims objectives of teaching History at different levels of the secondary stage.
4. Prepare unit plans, lesson plan and its related teacher aids.
5. Develop the syllabus for teaching history for different classes and its critical calculation.
6. Review the text book of history at the secondary level.
7. Understand the spirit and applying different methods and techniques of teaching history at the secondary stage.
8. Evaluate methodically the tools and techniques of evaluation at the different levels of secondary stage.

Unit-I: Nature and Scope of the Subject

- Meaning nature and scope of history.
- Importance of teaching history.
- Aims and Objective of teaching History at different levels.
- Importance of studying Local History, National History and World History in the context of National Integration & International brotherhood and global citizenship.

- Co-relation of History with other school subjects.

Unit-II: Curriculum and Planning

- Meaning and concept of curriculum.
- Fundamental principles of formulating curriculum in History and critical appraisals of the existing syllabus.
- Lesson Plan-Annual Plan, Unit Plan and Daily lesson plan of teaching History.
- Qualities and Professional growth of History Teacher, his role in future prospective.

Unit-III: Methods and Approaches

- Various methods of teaching History (Store telling, Biographical Dramatization Time Sense, Source, Project and Supervised study method).

Unit-IV: Instructional Support System

- Audio Visual aids in teaching History
- Text book, teacher, co-curricular activities.
- Community resources, Computer, T.V.
- History Room
- Planning of historical excursion.
- Co-curricular activities.

Unit-V: Evaluation

- Concept and Purpose of evaluation.
- Objective based evaluation.
- Tools & techniques of evaluation in history teaching:
 - (i) Various types of question.
 - (ii) Blue Print
 - (iii) Content analysis

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 1. Content analysis & preparation of instructional

- material related to any unit of subject related to History.
- 2. Study of analysis aspect of Historical issue and preparation of a report.
- 3. Visit to any historical place and preparation of report.
- 4. Collection of news paper cutting related to history issues.
- 5. Developing a lesson plan based on new methods / technique in history.

ECONOMICS

Objectives: To enable the student teachers to:

1. Refresh the knowledge about the meaning, Importance, nature, scope & aims of Economics.
2. Acquaint with the Aims, Objectives & value - outcomes through teaching Economics.
3. Develop ability to plan for suitable instructions in Economics.
4. Organize group-activities and project and to use various instructional strategies & methods for effective teaching of the subject.
5. Establish correlation of Economics with other school-subjects.
6. Develop necessary skills to use various teaching aids, (Particular locally available material aids).
7. Develop skill to successfully use various evaluation techniques and to interpret the results.
8. Develop appropriate attitude towards the subjects and country's economy.

Unit-I: Nature, Scope and Objective

1. Meaning nature and scope of Economics.
2. Importance of Economics in School Curriculum.

3. Aims and Objective of teaching Economics at different levels.
4. Correlation of Economics with other school subjects.

Unit-II: Curriculum and Planning

1. Meaning and concept of curriculum.
2. Fundamental principles of formulating curriculum in Economics
3. Critical Appraisal of the existing syllabus:
(a) Lesson Plan: Annual Plan, Unit Plan and Daily lesson plan of teaching Economics.
4. Qualities and Professional growth of History Teacher, his role in future prospective.

Unit-III: Methods and Approaches to teaching Economics

1. Various methods of teaching Economics- Project, Problem solving, Discussion, Analytic-Synthetic and Lecture Method.
2. Innovative Practices in Economics teaching - Brain Storming, workshop.

Unit-IV: Instructional Support System

1. Use of Teaching aids in Economics.
2. Print & Non-Print media, community resources, Lab, and Museum.
3. Economics teacher and his qualities.
4. Critical appraisal of Economics, Text Books.

Unit-V: Evaluation of Teaching Economics

1. Concept and Purpose of evaluation.
2. Objective based evaluation.
3. Preparation of achievement test:
 - (i) Various types of question.
 - (ii) Blue Print
 - (iii) Content analysis

Sessional Work (20 Marks)

- (1) One test of 10 Marks.
- (2) Any one of the following 10 Marks:
 1. Content analysis & preparation of instructional material related to any unit of subject related to Economics.
 2. Construction of objective type test items.
 3. Prepare five slides related to Economics teaching content at senior secondary level.
 4. Critical appraisal of Economics syllabus at senior secondary level.
 5. Preparation of 10 frames of linear or branching type programmes on any topic of Economics.

GEOGRAPHY

Objectives: To enable the student teachers to:

1. Understanding the modern concept of Geography.
2. Understand the aims & objectives of teaching Geography.
3. Prepare yearly plan, unit plan, lesson plan for the different classes.
4. Prepare maps & charts to illustrate the contents of different classes and use them effectively.
5. Critically evaluate the existing school syllabus and review the text book of Geography.
6. Apply appropriate methods and techniques of teaching of particular topics at different levels.
7. Arrange field trips and local surveys.
8. Prepare achievement test and diagnostic test, administration of the test, analysis of results and make suggestion for remedial teaching.

Contents

I. Nature, Scope and Objectives:

- (a) Changing Concept of Geography - Practical Geography
- (b) Its place and scope (importance).
- (c) Aims and Objectives of Geography teaching at secondary level, its role in developing the international understanding.
- (d) Correlation of Geography with social sciences, economics, Civics, Natural Sciences, Environmental Sciences.

II. Curriculum & Planning:

- (a) Characteristics of a good Geography Curriculum.
- (b) Critical Appraisal of Geography syllabus.
- (c) Planning for daily lesson, yearly plan & Unit plan.
- (d) Geography Text Book
- (e) Qualities, role & professional growth of Geography Teacher.

III. Methods & Approaches:

- (a) Regional method, Demonstration, Inductive Deductive, Project, Comparative, Lab, Method
- (b) Field trips, local & regional Geography.
- (c) Other Innovative Practices- Programmed Learning, Computer, Geography Club, Geography Lab.

IV. Instructional Support System:

- (a) Teaching aids lab equipment.
- (b) Geography room/Laboratory & Museums.
- (c) Resource material and use of local resources in teaching Geography.
- (d) Co-Curricular activities.

V. Evaluation

- (a) Tools and techniques of evaluation in Geography.
- (b) Achievement Test:

- (i) Various types of question.
- (ii) Blue Print
- (iii) Content analysis

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 - 1. Preparation of maps, charts and models for physical Geography.
 - 2. Develop two lesson plan based on new methods and approaches.
 - 3. Critical Appraisal of Geography syllabus at Secondary level.
 - 4. Construction of objective type test items.
 - 5. Collection of news paper cuttings related to Geographical issues.
 - 6. Preparation of a report on visit some place of Geographical interest.

HOME SCIENCE

Objective:- To enable student Teacher to:

- 1. Understand the Nature and Importance of Home Science & its correlation with other subjects.
- 2. Understand aims and objectives of the subject.
- 3. Realize the essential unity between laboratory work and theoretical background of the subject.
- 4. Analyze school syllabus of the subject in relation to its applicability to practical situation and adaptability of the curriculum to local needs.
- 5. Utilize effectively the instructional material in teaching Home-Science.
- 6. Construct test items to measure objectives belonging to various cognitive levels.
- 7. Identify specific learning difficulties in Home -

Science and to provide the suitable remedial instructions to them.

Content

Unit-I

- a. Nature and meaning of Home-Science.
- b. Values and importance of Home-Science for students of higher secondary stage.
- c. Correlation of Home-Science with other subjects.
- d. Aims and objectives of Home-Science (Bloom's approach to specify the outcomes).

Unit-II

- a. Problem Solving Method
- b. Demonstration Method
- c. Experimental Method
- d. Project Method
- e. Lecture-cum-demonstration method.
- f. Question-Answer Techniques
- g. Text Book
- h. Dramatization and Field Trips.

Unit-III

- a. Concept of Planning for Home-Science Teaching.
- b. Various steps of Planning-Unit & lesson Planning.
- c. Importance and advantage for Planning of Unit and Lesson Plan
- d. Qualities of a good Home-Science teacher.
- e. Role of Home-Science teacher.

Unit-IV

- a. Specific use of the following: Audio Visual aids in teaching of Home-Science.
- b. Laboratory (Location, Building)
- c. Charts
- d. Diagrams

- e. Black Board
- f. Reference Books
- g. Graphs
- h. Radio
- i. T.V.
- j. Magazines
- k. Computer

Unit-V

- a. Concept, principles, basis and the measures to improve a syllabus.
- b. Curriculum in Home-Science for different stages of school instruction.
- c. Concept of measurement and evaluation.
- d. Criteria of good evaluation.
- e. Merits and limitation of evaluation.
- f. Preparation of Blue-Print Test.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 - 1. Writing an essay on any topic based on the contents of the above units.
 - 2. Preparation of Visual-aid for solving community nutrition problems.

GENERAL SCIENCE

Objective:- To enable student Teacher to:

- 1. Understand the nature, scope, values and the objectives of teaching Science at Secondary level.
- 2. Develop competence in teaching different topics of Science effectively.
- 3. Develop Scientific temper & provide teaching in scientific method.

(45)

- 4. Use various methods with appropriateness of content, level and classroom situations to make pupil's learning meaningful.
- 5. Utilize the instructional material effectively in the teaching of Science.
- 6. Organize Co-curricular activities & practical work Science.
- 7. Use method most appropriate to assess the progress & achievement.
- 8. Diagnose the gaps & misconception in learning Science and evolve remedial measures.

Contents

Unit-I: Nature, Scope and Objectives

- A. Definition and Concept of Science.
- B. Place of Science in School Curriculum.
- C. Values of teaching Science at School level.
- D. Correlation Science with other subject.
- E. Objectives of teaching Sciences at Secondary level.

Unit-II: Curriculum and Planning

- A. Principles of developing Science Curriculum at Secondary level.
- B. Factors affecting the selection & organization of Science Curriculum.
- C. Unit Plan and lesson Plan.
- D. Qualities and responsibilities of Science teacher.
- E. Role of teacher in training students in Scientific method & developing creativity among students.

Unit-III: Methods of approaches

- A. Lecture method, Demonstration, Lab, Method, problem solving, Heuristic, Project Method, Inductive & deductive method.

(46)

- B. Enquiry approach, programmed instruction, panel discussion, team teaching, General & Workshop.

Unit-IV: Instructional Support System

- A. Multi sensory aids- charts, models, Bulletin, board, flannel board, Transparencies, Overhead Projector, Radio, T.V., Computer.
- B. Co-curricular activities- Organization of Science club, Science fair and excursion, use of community resources.
- C. Science Lab- Planning & equipping Science Lab, Guidelines for organizing practical work Care and maintenance of the equipment, safety precautions for work in Science Lab.

Unit-V: Evaluation

- A. Evaluation: Concept, Types and Purposes.
- B. Type of Test items: Objective type, S.A. & Essay type.
- C. Planning objective based test time of different types.
- D. Preparation of blue print and construction of Achievement test.
- E. Evaluation of practical work in Science.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
1. Life sketch & contribution of any one prominent Indian Scientist.
2. Conducting and reporting two experiments useful at secondary level.
3. Preparation of 10 frames of linear or branching type programmes on any topic of General Science.

4. Construction & administration of a Diagnostic test on any one unit of General Science.

CHEMISTRY

Objective:- To enable student Teacher to:

1. Understand the Nature, Place, Values and the Objectives of teaching Chemistry at Secondary / Senior Secondary level.
2. Establish its correlation with other subjects.
3. Evaluate critically the existing syllabus of Chemistry prescribed for Secondary/Senior Secondary level in the State of Rajasthan.
4. Develop yearly plan, unit plan and lesson plan for Secondary/Senior Secondary classes.
5. Provide training in Scientific method & develop Scientific temper among their students.
6. Use various methods & approaches of teaching Chemistry.
7. Acquire the ability to develop the instructional support system.
8. Plan and organize chemistry practical work in the Laboratory.
9. Organize Co-curricular activities and utilize community resources for promoting Science learning.
10. Use method most appropriate to assess the progress and achievement of the pupil & thus prepare appropriate test for the purpose (both theoretical & practical).

Contents

Unit-I: Nature, Scope and Objectives

1. Nature of Science with special reference to Chemistry.

- History of Chemistry with special reference to India.
- Place & values of teaching Chemistry at Secondary/Senior Secondary level.
- Correlation of Chemistry with other subjects.
- Objectives of teaching chemistry at Secondary / Senior Secondary level.

Unit-II: Curriculum and Planning

- Principles of developing Chemistry Curriculum at Secondary/Senior Secondary level.
- Modern trends in Chemistry Curriculum: CBA, CHEM Study, NUFFIELD-O & A level.
- Critical appraisal of Chemistry syllabus at Secondary / Senior Secondary level prescribed by Board of Secondary Education, Rajasthan.
- Planning daily lesson plan, unit plan & yearly plan.
- Qualities & responsibilities of Chemistry teacher.
- Teacher's role in training students in scientific method & in developing creativity & Scientific temper among learners.

Unit-III: Methods of approaches

- Lecture method, Demonstration method, Lab based methods, Inductive & Deductive method, problem solving, Heuristic & Project method.
- Enquiry approach, programmed instruction, Group discussion, self study, Team teaching, CAL, Seminars & Workshops.

Unit-IV: Instructional Support System

- Multisensory aids- charts, models, flannel board, Transparencies, Overhead Projector, Radio, T.V., Computer.
- Co-curricular activities- Organization of Science club, Science fair & visits to places of Scientific

interest.

- Chemistry Lab : Layout plans, equipments, furniture, maintenances of records, repair, care and improvisation of apparatus, safety measures in Lab, Organization of Practical work.
- Role of State & National Level Institutions & Laboratories Like DST, NCL, Fertilizer, Pesticide & Chemical Companies like Hindustan Zinc Ltd.
- Characteristics of a good text book & evaluation of a Text Book.

Unit-V: Evaluation in Chemistry

- Evaluation: Concept, types and purposes.
- Type of test items and their construction
- Preparation of Blue Print & Achievement Test.
- Diagnostic Testing & Remedial teaching.
- Evaluation of practical work in Chemistry.

Sessional Work (20 Marks)

- One test of 10 Marks
- Any one of the following 10 Marks:
 - Life sketch & contribution of any one prominent Indian Chemist.
 - Preparation of scrap book containing original Science (Scientific cartoon) Stories / articles / features / plays / Interview report useful for teaching of Chemistry.
 - Planning an out of class activity to use local environment to teach Chemistry.
 - Conducting and reporting two experiments useful at Secondary/Senior Secondary level (other than those in syllabus).
 - Description & designing of any Improvised apparatus.

6. A critical study of any one Senior Secondary Lab of Chemistry.
7. Preparation of 10 frames of linear or branching type programmes on any topic of Chemistry
8. Preparation of Radio or T.V. script.

BIOLOGY

Objective:- To enable student Teacher to:

1. Understand the Nature, Place, Values & Objectives of teaching Biology at Secondary level.
2. Establish its correlation with other subjects.
3. Evaluate critically the existing syllabus of Biology prescribed for Secondary/Senior Secondary level in the State of Rajasthan.
4. Develop yearly plan, unit plan and lesson plan for Senior Secondary classes.
5. Provide training in Scientific method & develop Scientific temper among their students.
6. Use various methods & approaches of teaching Biology.
7. Acquire ability to develop instructional support system.
8. Plan and organize Biology practical work in the Laboratory.
9. Organize Co-curricular activities and utilize community resources for promoting Science learning.
10. Use method most appropriate to assess the progress and achievement of the pupil & thus prepare appropriate test for the purpose (both theoretical & practical).

Contents

Unit-I: Nature, Scope and Objectives

(51)

1. Nature of Science with special reference to Biology.
2. Main discoveries and development in Biology.
3. Place & values of teaching Biology at Secondary / Senior Secondary level.
4. Correlation of Biology with other subjects.
5. Objectives of teaching Biology at Secondary/ Senior Secondary level.

Unit-II: Curriculum and Planning

1. Principles of Biology Curriculum at Secondary/ Senior Secondary level.
2. Modern trends in Biology Curriculum: B.S.C.S., Chem Study, NUFFIELD-O & A level.
3. Critical appraisal of Biology syllabus at Secondary / Senior Secondary level prescribed by Board of Secondary Education, Rajasthan.
4. Planning daily lesson plan, unit plan & yearly plan.
5. Qualities & responsibilities of Biology teacher. Teacher's role in training students in scientific method and in developing creativity and the scientific temper among students.

Unit-III: Methods of approaches

1. Lecture method, Demonstration method, Lab based methods, Inductive & Deductive method, problem solving, Heuristic & Project method.
2. Enquiry approach, programmed instruction, Group discussion, self study, Team teaching, computer assisted learning, Seminars & Workshops.

Unit-IV: Instructional Support System

1. Multisensory aids - charts, models, specimen, bulletin-boards, flannel board, Transparencies, slides, projector, Overhead Projector, Radio, T.V., Computer.

(52)

2. Co-curricular activities- Organization of Science club, Science fair trips and use of the community resources.
3. Biology Lab: Organization of Biology Laboratory, Arrangement & Apparatus, Care & Maintenance of equipment & specimen, organization of practical work in Biology.
4. Role of State & National Level Institutions & Laboratories Research Centers in Botany, Zoology & Agriculture.
5. Characteristics of a good text book & evaluation of a Text Book.

Unit-V: Evaluation in Biology

1. Evaluation: Concept, types and purposes.
2. Type of test items and their construction
3. Preparation of Blue Print & Achievement Test.
4. Evaluation of practical work in Biology.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 1. Life sketch & contribution of any one prominent Indian Biologist.
 2. Preparation of Harbarium (scrap book).
 3. Prepare any one of the following related to the environment education: (i) posture (miniature), (ii) Article, (iii) Story, (iv) Play.
 4. Description of any two teaching models.
 5. Prepare a Radio or T.V. Script.
 6. Make a list of local (resources useful in teaching Biology and prepared lesson plan using some of them.
 7. A case study of any one Senior Secondary Lab of Biology.
 8. Preparation of 10 frames of Linear or Branching

- type programmes on any topic of Biology.
9. Construction and administration of Diagnostic test on any case.

PHYSICS

Objective:- To enable student Teacher to:

1. Understand the Modern Concept of Physics.
2. Understand Aims & Objectives of teaching Physics.
3. Appreciate the contribution of eminent physicists in connection with the development of physics.
4. Plan curriculum at Secondary & Senior Secondary level.
5. Analyse the Syllabus of the subject in relation to its applicability to practical situations.
6. Develop scientific attitude & provide a training to scientific method to their students.
7. Write the objectives in behavioral terms, analyze the content and be skills in concept formation.
8. Develop unit and lesson plan.
9. Use various methods and teaching aids with appropriateness of content, level and class room situation.
10. Plan & organize Physics practical in the laboratory.
11. Organize co-curricular activities related to Physics.
12. Use methods most appropriate to assess the progress and achievement of the pupils using variety of tools and techniques for Physics theory and practical.
13. Diagnose the gaps and misconception in learning Physics and take remedial measures.

Contents

Unit-I: Nature, Scope and Objectives

1. Nature of Science Physics as a fundamental science.
2. Main milestones in the development in Biology.

3. Contribution of Indian Physicists, C.V. Raman, M.N. Saha, K.S. Krishnan, Narlekar, J.C. Bose, S.N. Bose, H.J. Bhabha and S. Chandra Shekhar
4. Objectives and values of teaching Physics at Secondary/Senior Secondary level.

Unit-II: Curriculum and Planning

1. Principles of selection and organization of course, content & experiences for senior secondary level Physics curriculum and characteristics for senior secondary level. Physics curriculum and characteristics of good Physics curriculum.
2. Correlation of Physics with other school subjects and its role in daily life.
3. Writing of objectives in behavioral terms, content analysis, developing yearly unit and daily lesson plan and concept mapping.
4. Teacher's role in planning for developing scientific attitude and creativity among students and for training them in scientific method.

Unit-III: Methods and approaches

1. Lecture method, Demonstration method, project method, problem solving method and assignment method.
2. Heuristic approach, Inductive deductive approach.
3. Out of class activities like science club, science fairs and field trips.

Unit-IV: Instructional Support System

1. Physics Lab: Planning, Equipping and Organizing practical work.
2. State & National Level Institutions & Laboratories (DST, NPL, ISRO, CEERI, RAPS and BARC).
3. Community resources like Science Centres /

4. museums, planetarium and solar observatory.
4. Multisensory aids- charts, models, specimen, bulletin-boards, flannel board, Transparencies, slides, projector, Overhead Projector, Radio, T.V., Computer.
5. Text books- characteristics of a good text book and evaluation of text book.

Unit-V: Evaluation

1. Type of test items and their construction
2. Preparation of Blue Print & Achievement Test.
3. Diagnostic testing and remedial teaching in Physics.
4. Evaluation of practical work.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 1. Case study of any one Senior Secondary Lab of Physics.
 2. Description of design of any improvised apparatus.
 3. Planning an out of class activity to use local resources to teach Physics.
 4. Life sketch and contribution of one Physicist.
 5. Preparation of scrap book containing original science (scientific cartoon) / stories / latest articles/feature/play/interview report useful for teaching Physics.

MATHEMATICS

Objective:- To enable student Teacher to:

1. To enable pupil teachers to understand and appreciate mathematical structure and their isomorphism with physical realities.
2. To improve their understanding of the basic concepts and make them appreciate their

- unifying strength and wide of applicability.
3. To enable the student teacher, to have a clear idea of the plan of mathematics in school curriculum and of its relation with the objectives of general education.
 4. To enable them to analyze the school syllabus of mathematics in relation to its objectives.
 5. To enable them to see meaningfulness of the school mathematics programme in relation to life situations.
 6. To give them competence in teaching different topics effectively.
 7. To enable them to check up the results of their teaching against the objectives and their valid criteria.
 8. To enable them to devise and suitable use aids for teaching so that it may result in better learning.
 9. To enable them to use various techniques and practices in the classroom to make pupil learning lasting and meaningful.
 10. To enable them to organize co-curricular activities in mathematics.
 11. To enable them to enrich and refresh their knowledge of content in Mathematics.

Notes:

1. The questions on the units such as methods of teaching aids in teaching. Unit & lesson planning, objective and evaluation will be based on the Unit I.
2. The question on unit I will not be asked directly without any reference to Methodology.
3. The unit I may be discussed by adopting any suitable methodology such as use of library as

signments, discussions etc.

Contents

Unit-I

Diagnostic, Remedial and Enrichment programmes with respect to the following content areas:

- (a) Set theory and Mathematical structures- sets, Relations and Functions, An elementary idea of Boolean algebra and numbers with different bases.
- (b) **Statistics:** Graphical representation of statistical data. Measures of central tendency, dispersion and coefficient of correlation.
- (c) Axiomatic development of Geometry: Concepts of line, ray, line segment, angle, triangle, interior and exterior of angles and triangles. Concepts of equality congruency and similarity.
- (d) Any other topic from the prevailing syllabi at upper primary secondary & higher secondary stages in the state.

Unit-II

- (a) The nature of Mathematics, Importance of Mathematics in the Secondary school Curriculum, History of Mathematics and contribution of Indian Mathematicians, Meaning of Mathematics according to the following schools of thought: (i) Logistic (ii) Institutionists (iii) Formalists.
- (b) Aims and Objectives of teaching mathematics. Introduction to Blooms Taxonomy of education & educational objectives in relation to knowledge, understanding, application and skills.

Unit-III

- (a) The Mathematics, Curriculum, Strategy and Principles of curriculum construction for the

secondary level, Recent trends in mathematics curriculum, Critical evaluation of the existing mathematics curriculum, Critical evaluation of existing mathematics curriculum prescribed by Rajasthan Board of Secondary Education at different levels.

- (b) Unit and Lesson Planning.
- (c) Methods of teaching:-
 - (i) Analytic and Synthetic
 - (ii) Inductive Deductive
 - (iii) Demonstration: Laboratory
 - (iv) Heuristic and Project
 - (v) Problem Solving.

Unit-IV: Aids in Teaching and their proper use:

- (a) Mathematics room (Planning & Equipment)
- (b) Text Books.
- (c) Audio Visual aids, film strips, field trips & excursion Mathematics Association, work-book.
- (d) The Mathematics Teacher- Academic & professional preparation.
- (e) Journal and reference books on Mathematics teaching.

Unit-V: Evaluation in Mathematics

- (a) Concept of evaluation, distinction between evaluation and examination. Its characteristics and functions.
- (b) Formulation of objective, learning experience.
- (c) Preparation and use of tests for evaluation such as achievement tests, diagnostic test, aptitude tests, observation schedule etc.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following 10 Marks:
 - 1. Make a Diagnostic, Remedial and enrichment

(59)

programmes of set theory and mathematical structures.

- 2. Preparation & construction of an achievement test based on any unit.
- 3. Preparation of a lesson plan based on any Innovative method.
- 4. Preparation of 10 frames of linear or Branching type programmes on any topic of Mathematics.

PAPER VII: COMPUTER LITERACY & EDUCATION APPLICATION

Objectives:

- 1. The student teachers will have understanding of Computer System and its working.
- 2. The student teachers will be able to understand and operate Windows.
- 3. The student will develop skill in using Windows and the applications.
- 4. The student will be able to understand the Educational Applications of Computer.
- 5. The students will develop positive attitude towards handling of computers.
- 6. The student will develop skill in the use of Internet.

Course Content

Unit-I

Computer Fundamentals

- 1. General awareness about the functioning of Computer.
 - (a) Characteristics and uses of Computer
 - (b) Block diagram of Computer.
 - (c) Classification of Computer.
- 2. Concept of hardware and software.
- 3. Input/Output devices keyboard, mouse, monitor,

(60)

- printer.
4. Storage devices (Secondary)- Hard Disk, Floppy Disk, CD-ROM, ZIP.
5. Computer Memory and its units- RAM, ROM, bit and byte.

Unit-II

Operating System

1. Basic features of Windows
2. 'Windows' and its accessories
 - (a) Explorer (b) File Manager,
 - (c) Managing Printing
3. MS-Office
 - (a) MS-Word-Text Management
 - (b) MS-Excel-To support database & graphics,
 - (c) POWER POINT-Preparation of Slides.

Unit-III

Internet and Multimedia

1. Server, Modem, E-Mail, Internet surfing for educational purpose websites, Search Engineers.
2. Concept of Multimedia & its educational uses.

Unit-IV

1. Computer as Teaching Machine:

- (a) Computer Aided Instruction (CAI)- Concept and modes.
- (b) Concept of other items like CMI (Computer Managed Instructions), CBI (Computer Based Instructions), CALT (Computer Assisted Learning and Teaching).

Unit-V

1. Information Technology & Computer (Concept, role, impact on education system.)
2. Role of Computer in Education System (e.g. Library Management, Educational Management

and research School management, evaluation distance education, Education of special children etc.

Practical and Sessional Work (any two)

1. Preparation of Mark-Sheet and Question Bank.
2. Preparation of instructional material/course ware (based on content analysis to be used as transparencies/charts using MS-Word/Power Point.
3. Preparation of marks register of a class and its statistical analysis and graphical presentation.

Evaluation

1. Theory paper of 50 marks.
 2. Practical evaluation
- | | |
|----------------------|---------------------------------|
| Practical exam | - 20 marks |
| Submission of report | - 10 marks+(one test 10 marks). |
| Viva | - 10 marks |
| Total | - 50 Marks. |

PAPER VIII

EDUCATIONAL AND VOCATIONAL GUIDANCE

Objectives: To enable the student teachers to:

1. Understand the basic Concept, Nature and Scope of educational Vocational Guidance.
2. Understand the Aims & Objectives of Educational and Vocational Guidance.
3. Understand the Importance of Educational & Vocational Guidance in the present national scenario.
2. Understand the Role & Responsibilities of guidance workers in School.
3. Understand the Nature and Types of guidance services with reference to School Education.

Course Content

Unit-I Concept, Nature and Scope of Guidance

Importance of guidance in the lives of individuals, meaning of guidance. Distinction between guidance and counseling.

Unit-II Importance of Guidance

Philosophy and Aims of Guidance, Importance of Guidance in Schools or individuals and for society.

Unit-III Areas of Guidance

Areas of Guidance, Educational Guidance, Vocational Guidance, Personal Guidance, Development Guidance, Psychology of Careers, Concept of Vocational development and Career Patterns.

Unit-IV Guidance in Present Control

Guidance Implications in the current Indian Scenario, Education and Guidance Democracy and Guidance, Individual Difference and Guidance.

Unit-V Guidance Services

Introduction to Guidance Services: Individual Inventory Service, Cumulative Record, Information Service, Follow up service, Group Guidance Service, Guidance in the School Programme Role & Responsibilities of Guidance worker in Schools.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following: (10 Marks)
 1. Evaluation an Educational Programme Guidance and Curriculum Approach.
 2. Write one essay and two abstracts.

MEASUREMENT AND EVALUATION

Objectives: Student Teacher will be able to understand:

1. The meaning of Measurement and Evaluation.
2. Recall the relationship between Measurement and Evaluation.
3. The preparation of objective type test items.

4. The meaning of Intelligence, Interest, Personality and Creativity.
5. Development of standardized and teacher made test.
6. Analyze the statistical methods.
7. Use techniques of Evaluation.

Contents

Unit-I

- (a) Meaning of Measurement and Evaluation.
- (b) Relationship between Measurement and Evaluation.
- (c) Significance of Educational Measurement and Evaluation.
- (d) Techniques of Evaluation.

Unit-II

- (a) Examination and how to improve it.
- (b) Preparation of objective type test items.
- (c) Item analysis.

Unit-III

- (a) Measurement of Intelligence.
- (b) Measurement of Interest.
- (c) Measurement of Personality.
- (d) Measurement of Creativity.

Unit-IV

- (a) Standardized versus Teacher made test.
- (b) Constructing an achievement test.
- (c) Characteristic of Good Evaluation System.
- (a) Reliability (b) Validity (c) Objectivity
- (d) Comparability (e) Practicability.

Unit-V

- (a) Frequency distribution.
- (b) Measures of Central Tendency
- (c) Standard Deviation.

- (d) Co-efficient of co-relation: Product Moment and Rank Difference.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
(2) Any one of the following: (10 Marks)
- A detailed essay on any aspect of measurement and Evaluation.
- Construction administration and item analysis of a test in any school subject.

ENVIRONMENTAL EDUCATION

Objectives: To enable the pupil Teachers to:

1. Understand the concept of Environment and the problems concerning Environment through multi disciplinary approach.
2. Develop Environmental consciousness in their students.
3. Develop the skills of planning and organizing Ecological activities in the schools so that the children can be equipped to play their role in protection and enrichment of environment.
4. Use different techniques and material for the effective dissemination of Environmental information.
5. Conduct local surveys, arrange field trips and Environmental games and related activities.

Contents

Unit-I

1. Concept of Environment.
2. Concept of Ecology, Ecosystem, Components of Ecosystem and interdependence.
3. Relationship of man and Environment.
4. Personal & family responsibility about the Environment.

Unit-II

Problems of Modern Civilization:

1. Population Explosion
2. Pollutions: Air, Water, Noise, Waste and Cultural.
3. Depletion of the Natural resources: Causes and measures for conservation of forests and wild life.
3. Water, energy and soil management.

Unit-III

1. Meaning, Objective, Importance and Philosophy in Environmental education.
2. Scope of environmental education- Multi-disciplinary approach correlation with other school subjects.
3. Environment Education as a subject, its curriculum at different levels.

Unit-IV

1. Methods and Approaches: Group discussion, project, problem solving, observation, field-trips/ excursion, activity method, Games and simulation, puppet, lecture-demonstration, Ecology club, Ecology-laboratory, Library and publications.
2. Role of Mass-Media Films & Audio-Visual material in Environmental education.

Unit-V

1. Role of different agencies: UNEP, W.W.F. Friends of trees, N.G.O.s and Government organization.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
(2) Any one of the following: (10 Marks)

Select one from each section:

Section-A (Each 5 Marks- 10 Marks)

1. Prepare a scrap-book of an Environment articles and news.
2. Preparation of maps or charts or models of Transparencies related to Environmental issues.
3. Study any Environment problem and write a report of the same.

4. Find out Environment friendly or degradable products and prepare a list.
5. Study the role of any local NGO.
6. Planning of an out of class activity / Games / simulation related to Environment.

Section-B

Prepare an article on any one of the following:-

1. Concept of Eco-system and Interdependency.
2. Green house effect Global warming.
3. Depletion of Ozone Layer and Acid rain.
4. Acts related to conservation of Environment.

POPULATION EDUCATION

Objectives: Students will be able to:

1. Understand the Meaning, Scope and the Importance of Population education.
2. Understand the Meaning, Factors and Impact of standard of life.
3. Understand the Need and Means of Population Control.
4. Understand the Role of different agencies in the Population Education.

Contents

Unit-I

Population Education: Meaning and definition, Scope, Need and Importance of Population Education, Role and purpose of Population Education as integral part of education.

Population of India in a world perspective: Concept of population, Theories of population, Under Populations, Growth, Distribution and density of population, Over Population with demographic data of India in world perspective.

Unit-II

Standard of Living and the Quality of Life: Food and

(67)

nutrition, health-hygiene, Sanitation, Housing, Clothing, Education travel, leisure, Employment, Income, Consumption levels, Efficiency and output, Social cultural and spiritual enlightenment, Ethics aesthetics, Different aspect and their inter relationship with example and illustration from India and abroad, Population and India's Development Endeavor, population growth and production with the special reference to the National Income. The impact of the development of family life on society, Culture and Personality.

Unit-III

Population Control and Planning: India's Population Policy, The role of society and the formation of public opinion favorable for Population Control, Role and the responsibility of family and individual, A small family unit for healthier, happier and better homes, improved standard of living, better quality of life.

Population Equilibrium: Emergency and long measures role of Population Education.

Unit-IV

Emergence of Population Education: Action taken for Population Education (Historical Background), Introduction of Population Education in School, Colleges and teacher education institution, Role of Different Agencies and Organization, Home, School, Community, Government (Population policies and programmed voluntary Agencies; Mass media.

Unit-V

Teacher of Population Education: His Preparation, qualities; Role of teacher education, Education Activities for Population Education; Extension lectures, Debates, Survey, games, Exhibitions, Dramas,

(68)

Meeting with parents, Preparation of aids, etc.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following: (10 Marks)
 1. Study the causes of population problem and write a report of the same.
 2. Write one essay on any topic of population.
 3. Write any two abstracts related to population education.

ELEMENTARY EDUCATION

Objectives: Student Teacher will be able:

1. To understand the concept, scope and the objectives of elementary education.
2. To recall constitutional provision and understand the efforts made by different agencies for the expansion of Elementary Education.
3. To understand the ideology and experiments of Mahatma Gandhi and Giju Bhai in the field of elementary education.
4. To understand the child and development of school-community relationship.
5. To use the teaching methods in the elementary school classrooms.
6. To prepare and use teaching-learning material in the classrooms.
7. To understand and use techniques of evaluation.
8. To understand and analyze the significant problems and related to elementary education.

CONTENTS : THEORY

Unit-I

- (a) Elementary Education: Concept, Scope and Objectives.
- (b) Constitutional provisions and efforts made after

independence.

Unit-II

- (a) Status of UEE (Universalization of Elementary Education) in Rajasthan.
- (b) Role of State, Local bodies and NGOs in the expansion of UEE.
- (c) Experiments and Schemes (DPEP, Gurumitra, Lok Jumbish, Shiksha Karmi, Saraswati Yojna, Sarva Shiksha Abhiyan, Rajeev Gandhi Pathshala, Para Teachers etc.)

Unit-III

- (a) Experiments in elementary education by Mahatma Gandhi and Giju Bhai.
- (b) Training, Service conditions and responsibilities of elementary school teachers.
- (c) Role of elementary school teacher in developing school-community relationship.

Unit-IV

- (a) Objectives and methods of teaching language, environmental studies Mathematics and SUPW.
- (b) Methods of Teaching: (i) Story telling (ii) Activity (iii) Play-way (iv) Multi-subject teaching.
- (c) Continuous and Comprehensive evaluation.

Unit-V

- (a) Problems in Elementary Education (Status, Causes and suggestions).
 - (i) Quality V/S Quantity
 - (ii) Dropouts
 - (iii) Disparity in enrolment of girls and groups based on Socio-economic states and categories (ST/ SC etc.)
- (b) Administration and supervision of elementary schools.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following: (10 Marks)
 1. Observation of learning process (five periods of any one elementary class).
 2. Preparation of instructional material on any topic/concept in any of the two subjects.
 3. Planning, Organization and Reporting of one play-way class.

COMPARATIVE STUDY OF EDUCATION: INDIA & ABROAD

Objectives: Student Teacher will be able:

1. To help the potential leaders to appreciate how education in a country is shaped by a number of factors.
2. To help them perceive the wide variety of education tasks and arrangements in different countries.
3. To enable them to understand the merits and demerits of Indian education in comparison with other countries.
4. To enable them to understand the educational administration of India & abroad.

CONTENTS : THEORY

Unit-I

1. The meaning, scope, need and purpose of the comparative education.
2. Factors determining the theory and practice of education in a country; geographical economics, cultural, sociological linguistics, religious and scientific.

Unit-II

Approached to Comparative Education - Philosophical, Sociological, Historical, Statistical. Principles underlying the organization, curricula and syllabi, text books, examinations and guidance

with reference to:-

- (a) Pre-Primary Education
- (b) Primary Education

Unit-III

Study of the following branches of Education:

- a. **Secondary Education-** Its extent manner and criteria of selection of pupils for it, curriculum examination, guidance programme in relation to vocational preparation & higher education, teachers and their training control and finance in USA, UK, Japan and India.
- b. Higher Educationist extent, intellectual & social contents, length of studies, institutions, organizational structure, Universities in USA, UK, Japan and India.

Unit-IV

Special Education:- Meaning, need and importance. Comparative study of Education of the Handi-capped, gifted minorities and social groups, Remedial provisions, The medium of instruction.

Unit-V

Comparative study of Educational Administration of India, UK, Russia & Japan.

Sessional Work (20 Marks)

- (1) One test of 10 Marks
- (2) Any one of the following: (10 Marks)
 1. A detailed essay on Educational Administration of India
 2. A detailed essay on Problems of education in India with comparison to UK, USA.
 3. A detailed essay on comparative education.