

C-I

CHILDHOOD AND GROWING UP

Total Marks:-100

External assessment=80

Internal Assessment=20

Objectives

- To acquire theoretical perspectives and develop an understanding of dimensions and stages of human development.
- To gain an understanding of different methods and techniques for the assessment of Personality, Intelligence and Creativity of the Child
- To know and Develop an art of Well Being
- To reflect on the Individual differences based on Caste, Gender and Class,etc

Lect. no.	Topic	Lecture description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1.	Concept of human Growth and Development	Definition, Meaning, Characteristics, Explanation.	Learners will know about the concept of growth and development	Lecture method followed by discussion.
2.	Maturation,	Definition, Meaning, Characteristics, Explanation.	Learners will know about the concept of Maturation	Lecture method followed by discussion.
3.	Principles affecting human growth and development.	Principles	Learners will know about the principles of growth and development	Lecture method followed by discussion.
4.	Factors affecting human growth and development.	Factor	Learners will know about the factor affecting growth and development	Lecture method followed by discussion.
5.	Stages of Childhood& Adolescence period,	Stages	Learners will know about the stages of childhood and adolescence	Lecture method followed by discussion.
6.	Dimensions of Individual development - Physical	Dimensions of individuals development	Learners will know about the dimensions of development	Lecture method followed by discussion.
7.	Dimensions of Individual development - Cognitive	Cognitive development	Learners will know about the concept of cognitive development	Lecture method followed by discussion.

8.	Dimensions of Individual development - Language.	Language development	Learners will know about the concept of language development	Lecture method followed by discussion.
9.	Dimensions of Individual development - Affective,	Affective development	Learners will know about the concept of affective development	Lecture method followed by discussion.
10.	Dimensions of Individual development - Social, Moral and their inter-relationship.	Social and moral development	Learners will know about the concept social and moral development	Lecture method followed by discussion.
11.	Dimensions of Individual development - Social, Moral and their inter-relationship.	Social and moral development	Learners will know about the concept of social and moral development	Lecture method followed by discussion.
12.	Relevance & Applicability of various theories of development: Erickson (Psycho-Social)	Definition, Meaning, Characteristics, educational implications	Learners will know about the development theories	Lecture cum Discussion Method Blended Teaching (Use of ICT)
13.	Relevance & Applicability of various theories of development: Piaget (Cognitive),	Definition, Meaning, Characteristics, educational implications	Learners will know about the development theories	Lecture cum Discussion Method Blended Teaching (Use of ICT).
14.	Role of Home , School and Society in cognitive development.	Definition, Meaning, Characteristics,	Learners will know about the Role of Home , School and Society in cognitive development.	Lecture method followed by discussion.
15.	Role of Home , School and Society in affective development.	Definition, Meaning, Characteristics,	Learners will know about the Role of Home , School and Society in affective development.	Lecture method followed by discussion.
16.	Role of Home , School and Society in conative development.	Definition, Meaning, Characteristics,	Learners will know about the Role of Home , School and Society in conative development.	Lecture method followed by discussion.

17.	Intelligence:-Meaning,	Definition, Meaning, Characteristics,	Learners will know about the concept of intelligence	Lecture cum Discussion Method Blended Teaching (Use of ICT)
18.	Intelligence:- Theories(Howard Gardner's theory of multiple intelligence.	Meaning, Characteristics, educational implications	Learners will know about the theory of multiple intelligence	Lecture cum Discussion Method Blended Teaching (Use of ICT)
19.	Intelligence:- Theories Guilford's SOI	Meaning, Characteristics, educational implications	Learners will know about the structure of intelligence	Lecture cum Discussion Method Blended Teaching (Use of ICT).
20.	Measurement of Intelligence	Definition, Meaning, Characteristics, educational implications	Learners will know about the measurement of intelligence	Lecture method followed by discussion.
21.	Dealing with Gifted & backward children.	Definition, Meaning, Characteristics, educational implications	Learners will know about the concept of backward & gifted children	Lecture method followed by discussion.
22.	Concept of Emotional Intelligence	Definition, Meaning, Characteristics.	Learners will know about the concept of Emotional intelligence	Lecture method followed by discussion.
23.	Personality :-Concept,	Definition, Meaning, Characteristics.	Learners will know about the concept of personality	Lecture method followed by discussion.
24.	Personality :- Theories of Personality (Type theory),	Definition, Meaning, Characteristics, educational implications	Learners will know about the concept of type theories personality	Lecture cum Discussion Method Blended Teaching (Use of ICT).
25.	Personality :- Theories of Personality (trait theory),	Definition, Meaning, Characteristics, educational implications	Learners will know about the concept of trait theories of personality	Lecture cum Discussion Method Blended Teaching (Use of ICT).
26.	Personality : Theories of Personality (psychoanalytic theory)	Definition, Meaning, Characteristics, educational implications	Learners will know about the concept of psychoanalytical theories of personality	Lecture cum Discussion Method Blended Teaching (Use of ICT).
27.	Factors responsible for shaping the personaliy.	Factors	Learners will know about the factors responsible for shaping personality	Lecture method followed by discussion.

28.	Assessment of Personality	Definition, Meaning, Characteristics.	Learners will know about the concept of assessment of personality	Lecture method followed by discussion.
29.	Concept of creativity ,	Definition, Meaning, Characteristics.	Learners will know about the concept of creativity	Lecture method followed by discussion.
30.	difference between creativity and intelligence.	Definition, Meaning, Characteristics.	Learners will know about the differences between creativity and intelligence	Lecture method followed by discussion.
31.	Identification of Creative Child	Definition, Meaning, Characteristics.	Learners will know about the identification of creative child	Lecture method followed by discussion.
32.	Techniques and methods of fostering creativity: brain storming.	Definition, Meaning, Characteristics, explanation	Learners will know about the uses of brain storming	Lecture method followed by discussion.
33.	Techniques and methods of fostering creativity: problem solving.	Definition, Meaning, Characteristics, explanation	Learners will know about the uses of problem solving	Lecture cum Discussion Method Blended Teaching (Use of ICT).
34.	Techniques and methods of fostering creativity: Group Discussion.	Definition, Meaning, Characteristics, explanation	Learners will know about the uses of group discussion	Lecture cum Discussion Method Blended Teaching (Use of ICT).
35.	Techniques and methods of fostering creativity: play way..	Definition, Meaning, Characteristics, explanation	Learners will know about the uses of play way method	Lecture cum play way method
36.	Techniques and methods of fostering creativity: Quiz etc.	Definition, Meaning, Characteristics, explanation	Learners will know about the uses of quiz	Lecture cum Discussion Method followed by quiz
37.	Motivation: Concept	Definition, Meaning, Characteristics,	Learners will know about the concept of motivation	Lecture method followed by discussion.
38.	Motivation: types.	Types	Learners will know about the types of motivation	Lecture method followed by discussion.
39.	Role of Home , School and Society in cognitive, affective, conative development.	Role of Home, School and Society in cognitive, affective, conative development.	Learners will know about the Role of Home, School and Society in cognitive, affective, conative development.	Assignment

Practical/Sessional Work:-

Administration, scoring and interpretation of any two of the following:

- Intelligence test (individual /group test)
- Creativity Test- Verbal /Non-Verbal Test of Creative Thinking

C- 2**CONTEMPORARY INDIA AND EDUCATION****Total Marks:-100****External:-80****Internal:-20****Objectives: - To enable Students:**

- To understand features, ideals, values and diversities in Indian Education.
- To explain various educational bodies, commission and contemporary policies, Programmes and documents for progress of education in India.
- To have insight into constitution of India in relation to education.
- To know and understand education in pre-independent and post independent India.

Lect No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1	Education-Concept	concept of education	Learners will know about the concept of Education and are able to understand and reflect.	Lecture cum Discussion method
2.	Indian concept of education	Indian concept of education	Learners will know about the Indian of concept Education and are able to understand and reflect.	Lecture cum Discussion method
3.	Indian concept of education	Indian concept of education	Learners will know about the Indian of concept Education and are able to understand and reflect.	Lecture cum Discussion method

4.	Western concept of education	Western concept of education	Learners will know about the western concept of Education and are able to understand and reflect.	Lecture cum Discussion method
5.	Aims of Education.	Aims of Education.	Learners will know about the aims of Education and are able to understand and reflect.	Brain storming method
6.	Aims of Education.	Aims of Education.	Learners will know about the aims of Education and are able to understand and reflect.	Brain storming method
7.	Impact of Liberalization on school education in India.	Meaning of Liberalization and Impact of Liberalization on school education in India	Learners will be able to explain the Impact of Liberalization on school education in India.	Lecture cum Discussion method
8.	Impact Privatization on school education in India	Meaning of Privatization and Impact of Privatization on school education in India	Learners will be able to explain the Impact of Privatization on school education in India.	Lecture cum Discussion method
9.	Impact Globalization on school education in India	Meaning of Globalization and Impact of Globalization on school education in India	Learners will be able to explain the Impact of Globalization on school education in India.	Lecture cum Discussion method
10	Social Stratification	Meaning of Social Stratification and Impact of Social Stratification on school education in India	Learners will be able to explain the Impact of Social Stratification on school education in India	Lecture cum Discussion method
11	Social Mobility	Meaning and Impact of Social Mobility on school education in India	Learners will be able to explain the Impact of Social Mobility on school education in India	Lecture cum Discussion method
12	Salient features of Education in British period (Charter Act-1813)	Major recommendations of charter act 1813	Learners will be able to explain about the Major recommendations Charter Act-1813	Lecture cum Discussion method followed by ICT

13	Salient features of Education in British period Macaulay's Minutes (1835)	Major recommendations of Macaulay's Minutes (1835)	Learners will be able to explain about the Major recommendations Macaulay's Minutes (1835)	Lecture cum Discussion method followed by ICT
14	Salient features of Education in British period Woods's Despatch 1854	Major recommendations Woods's Despatch 1854	Learners will be able to explain about the Major recommendations Woods's Dispatch 1854	Lecture cum Discussion method followed by ICT
15	Salient features of Education in British period Gokhale Bill (1912)	Major recommendations Gokhale Bill (1912)	Learners will be able to explain about the Major recommendations Gokhale Bill (1912)	Lecture cum Discussion method followed by ICT
16	Salient features of Education in British period Sergeant Report (1944)	Major recommendations Sergeant Report (1944)	Learners will be able to explain about the Major recommendations Sergeant Report (1944)	Lecture cum Discussion method followed by ICT
17	Major recommendations of Secondary Education Commission (1952-1953)	Major recommendations Secondary Education Commission(1952-1953)	Learners will be able to explain about the Major recommendations of Secondary Education Commission(1952-1953)	Lecture cum Discussion method followed by ICT
18	Major recommendations of Secondary Education Commission (1952-1953)	Major recommendations Secondary Education Commission(1952-1953)	Learners will be able to explain about the Major recommendations of Secondary Education Commission(1952-1953)	Lecture cum Discussion method followed by ICT
19	Indian Education Commission (1964-66)	Major recommendation of Indian Education Commission (1964-66)	Learners will be able to explain about the Major recommendations Indian Education Commission (1964-66)	Lecture cum Discussion method followed by ICT
20	Indian Education Commission (1964-66)	Major recommendation of Indian Education Commission (1964-66)	Learners will be able to explain about the Major recommendations Indian Education Commission (1964-66)	Lecture cum Discussion method followed by ICT

21	National policy on education (1986)	Major recommendations of National policy on education (1986)	Learners will be able to explain about the Major recommendations of National policy on education (1986)	Seminar
22	National policy on education (1986)	Major recommendations of National policy on education (1986)	Learners will be able to explain about the Major recommendations of National policy on education (1986)	Seminar
23	National policy on education (1986)	Major recommendations of National policy on education (1986)	Learners will be able to explain about the Major recommendations of National policy on education (1986)	Seminar
24	Programme Of Action (1992)	Major recommendations of Programme Of Action (1992)	Learners will be able to explain about the Major recommendations of Programme of Action 1992	Lecture cum Discussion method followed by ICT
25	Programme Of Action (1992)	Major recommendations of Programme Of Action (1992)	Learners will be able to explain about the Major recommendations of Programme of Action 1992	Lecture cum Discussion method followed by ICT
26	National Curriculum Framework (2005)	Major recommendations of National Curriculum Framework (2005)	Learners will be able to explain about the Major recommendations of NCF 2005	Lecture cum Discussion method followed by ICT
27	Right to Education Act (2009)	Major recommendations of Right to Education Act (2009)	Learners will be able to explain about the Major recommendations of RTE 2009	Assignment
28	Sarv Shiksha Abhyan	Sarv Shiksha Abhyan	Learners will be able to explain about the Major recommendations of SSA	Lecture cum Discussion method followed by ICT
29	Sarv Shiksha Abhyan	Sarv Shiksha Abhyan	Learners will be able to explain about the Major recommendations of SSA	Lecture cum Discussion method followed by ICT

30	RMSA	RMSA	Learners will be able to explain about the Major recommendations of RMSA	Lecture cum Discussion method followed by ICT
31	Constitutional provisions of India in relation to Education,	Constitutional provisions	Learners will know about the Constitutional provisions of India in relation to Education	Lecture cum Discussion method followed by ICT
32	Fundamental Rights	Explanation of Fundamental Rights	Learners will know about the fundamental Rights	Brain Storming
33	Fundamental Duties	Explanation of Fundamental Duties	Learners will know about the Fundamental Duties	Brain Storming
34	Directive Principles of state Policy	Directive Principles of state Policy	Learners will know about the Directive Principles of state Policy	Lecture cum Discussion method followed by ICT
35	Measures to promote equality of opportunities through Educational programmes for special groups	Measures to promote equality of opportunities through Educational programmes for special groups	Learners will know about the Measures to promote equality of opportunities through Educational programmes for special groups	Lecture cum Discussion method followed by ICT
36	Measures to promote equality of opportunities through Educational programmes for socially disadvantaged	Measures to promote equality of opportunities through Educational programmes for socially disadvantaged	Learners will know about the Measures to promote equality of opportunities through Educational programmes for socially disadvantaged	Lecture cum Discussion method
37	Measures to promote equality of opportunities through Educational programmes for women	Measures to promote equality of opportunities through Educational programmes for women	Learners will know about the Measures to promote equality of opportunities through Educational programmes for women	Lecture cum Discussion method

Practical/ Sessional Work: A Local Survey On Mid Day Meal Programme In Secondary Schools

C-3

UNDERSTANDING DISCIPLINES AND SUBJECTS

Total Marks:-50

External assessment:-40

Internal Assessment:-10)

Objectives: The course will enable student teachers to

- To reflect on the nature and ‘disciplinary role’ in the school curriculum.
- To understand the nature, changes in disciplines and subjects in terms of social, Political and Intellectual contexts.
- To study the relationship between academic disciplines and school subjects.

Lect. No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1.	Concept of Discipline	Meaning, definitions, characteristics	Learner will understand the concept of discipline	Lecture cum discussion
2.	Discipline: Types	Different types of discipline	To make the learners will understand the different types of discipline	Lecture cum discussion
3.	Discipline: Types	Different types of discipline	Learners will enable to know the difference between different types of classifications of discipline	Lecture cum discussion
4.	Discipline : Importance	Importance of discipline	To make them clear the importance of discipline	Brain storming and discussion
5.	Core ideas of Developing Discipline	Meaning of core ideas of developing discipline	To help the student teachers to know about the origin and meaning of core ideas of developing discipline	Lecture method followed by ICT

6.	Core ideas of Developing Discipline	Organization of core ideas of developing discipline	To help the student teachers to grasp about the organization of discipline	Lecture method followed by ICT
7.	Core ideas of Developing Discipline	Organization of core ideas of developing discipline	To know about the organization of developing discipline	Lecture method followed by ICT
8.	Philosophical views in different discipline in modern context	Philosophical views in different discipline by John Dewey in modern context	To enable them to know the views of John Dewey in modern context	Lecture cum discussion
9.	Philosophical views in different discipline in modern context	Philosophical views in different discipline by John Dewey in modern context	To enable them to know the views of John Dewey in modern context	Lecture cum discussion
10.	Philosophical views in different discipline in modern context	Philosophical views in different discipline by Krishna Murthy in modern context	To enable them to know the views of Krishna Murthy in modern context	Lecture cum discussion
11.	Philosophical views in different discipline in modern context	Philosophical views in different discipline by Krishna Murthy in modern context	To enable them to know the views of Krishna Murthy in modern context	Lecture cum discussion
12.	Understanding the organization of school subjects	Nature of science	To acquaint the students with the nature of science	Lecture cum discussion

13.	Understanding the organization of school subjects	Importance and historical perspective of Science	To introduce them about the history and importance of science	Brain storming and discussion
14.	Understanding the organization of school subjects	Nature of social science	To acquaint the students with the nature of social science	Brain storming and discussion
15.	Understanding the organization of school subjects	Importance and historical perspective of social science	To introduce them about the history and importance of social science	Lecture method followed by inductive and deductive approach
16.	Understanding the organization of school subjects	Nature of mathematics	To acquaint the students with the nature of Mathematics	Brain storming followed by ppt
17.	Understanding the organization of school subjects	Importance and historical perspective of Mathematics	To introduce them about the history and importance of Mathematics	Lecture method followed by inductive and deductive approach
18.	Understanding the organization of school subjects	Nature of Languages	To acquaint the students with the nature of Languages	Lecture method followed by discussion
19.	Understanding the organization of school subjects	Importance and historical perspective of Languages	To introduce them about the history and importance of Languages	Lecture method followed by inductive and deductive approach
20.	Changes in school subjects	Changes in school subjects in terms of social context	To make the student teachers aware about the changes in school subjects in terms of social context	Seminar
21.	Changes in school subjects	Changes in school subjects in terms of political context	To make the student teachers aware about the changes in school subjects in terms of political context	Seminar

22.	Changes in school subjects	Changes in school subjects in terms of intellectual context	To make the student teachers aware about the changes in school subjects in terms of intellectual context	Seminar
23.	Curriculum: Concept	Meaning, Definitions and characteristics	To make the student teachers understand the concept of curriculum	Brain storming and discussion method
24.	Analyzing relationship between school subjects	Correlation among different school subjects : Science	To enable the student teachers to understand the correlation of science with different school subjects	Lecture cum discussion method
25.	Assignment: Correlation among different school subjects			Seminar
26.	Correlation among different school subjects	Correlation among different school subjects : Mathematics	To enable the student teachers to understand the correlation of mathematics with different school subjects	Assignment
27.	Inter disciplinary approach to education	Meaning of inter disciplinary approach to education	To enable the student teachers to understand the meaning of inter disciplinary approach to education	Lecture method followed by inductive and deductive approach
28.	Inter disciplinary approach to education	Effects of inter disciplinary approach to education	To enable the student teachers to understand the effects of inter disciplinary approach to education on school subjects	Heuristic method
29.	Inter disciplinary approach to education	Effects of inter disciplinary approach to education	To enable the student teachers to understand the effects of interdisciplinary approach to education on school subjects	Heuristic method

30.	Criterion of content for selection of school subjects	Criterion of content for selection of school subjects in view of objectives	To enable the student teacher to know about the criterion of content for selection of school subjects in view of objectives	Lecture cum discussion method
31.	Criterion of content for selection of school subjects	Criterion of content for selection of school subjects in view of sources	To enable the student teacher to know about the criterion of content for selection of school subjects in view of sources	Group Discussion followed by ppt
32.	Criterion of content for selection of school subjects	Criterion of content for selection of school subjects in view of sources	To enable the student teacher to know about the criterion of content for selection of school subjects in view of sources & objectives	Brain storming method

SCHOOL MANAGEMENT

Total Marks:-50

External assessment:-40

Internal Assessment:-10

Objectives:

After the course, pupil teachers will be able to:

- Understand the Concept and operational aspects of school management.
- Enlist the physical resources of the school and their maintenance.
- Understand the importance of social life in school and the role of administrators and the Teachers.
- Become successful teachers in future.
- Develop practical skills in organizing school programmes and activities.

Lect. no.	Topic	Lecture description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1.	School as an organization	Meaning of school organization, administration and management.	Learners will understand Meaning of school organization, administration and management.	Lecture method followed by discussion.
2.	School as an organization	Objectives of school organization, administration and management.	Learners will understand Objectives of school organization, administration and management.	Group discussion.
3.	School as an organization	Need of school organization, administration and management.	Understanding of Need of school organization, administration and management.	Lecture method followed by discussion.
4.	School as an organization	Scope of school organization, administration and management.	Learners will understand Scope of school organization, administration and management	Group discussion.

5.	School as an organization	Types and principles of school organization, administration and management	Learners will know about types and principles of school organization, administration and management.	Lecture method followed by discussion.
6.	School Plant	Importance of School Plant of School Plant	Understanding of Importance of School Plant of School Plant	Group discussion.
7.	School Plant	Essential characteristics.	Learners will understand Essential characteristics.	Group discussion.
8.	School Plant	Selection of site.	Learners will know about Selection of site.	Lecture method
9.	School Plant	Maintenance of different School Components.	Understanding of Maintenance of different School Components.	Group discussion.
10.	School Plant	Maintenance of different School Components.	Learners will understand Maintenance of different School Components.	Group discussion.
11.	Institutional Planning	Meaning of Institutional planning.	Learners will know about meaning of Institutional planning	Lecture method followed by discussion.
12.	Institutional Planning	Objectives of Institutional planning.	Learners will understand objectives of Institutional planning.	Group discussion.
13.	Institutional Planning	Advantages of Institutional planning.	Learners will know about advantages of Institutional planning.	Lecture method followed by discussion.
14.	Institutional Planning	Characteristics of Institutional planning.	Understanding of characteristics of Institutional planning.	Group discussion.
15.	Institutional Planning	Preparation of an institutional plan.	Learners will understand Preparation of an institutional plan	Lecture method followed by discussion.

16.	Institutional Planning	Preparation of an institutional plan.	Understanding of Preparation of an institutional plan.	Group discussion.
17.	Leadership	Concept of Leadership.	Learners will know about concept of Leadership.	Project method.
18.	Leadership	Need of Leadership.	Learners will understand Need of Leadership.	Project method.
19.	Leadership	Leadership Qualities among teachers.	Understanding of Leadership Qualities among teachers.	Project method.
20.	Leadership	Leadership Qualities among students.	Learners will understand Leadership Qualities among students.	Project method.
21.	School Time Table	Importance of time table	Understanding of Importance of time table.	Lecture method followed by discussion.
22.	School Time Table	Types of time table.	Learners will understand types of time table.	Lecture method followed by discussion.
23.	School Time Table	Principles of time table construction.	Understanding of principles of time table construction.	Group discussion.
24.	School Time Table	Principles of time table construction.	Learners will know about principles of time table construction.	Group discussion.
25.	Discipline	Concept	Understanding of Concept	Lecture method followed by discussion.
26.	Discipline	Bases of Discipline	Learners will understand Bases of Discipline	Group discussion.
27.	Discipline	Causes of indiscipline	Understanding of Causes of indiscipline.	Lecture method followed by discussion.
28.	Discipline	Its remedial measures.	Learners will understand remedial measures.	Group discussion.

29.	Discipline	Rewards and punishment as techniques of maintaining discipline.	Understanding of Rewards and punishment as techniques of maintaining discipline.	Group discussion.
30.	Supervision	Meaning and aims	Learners will understand Meaning and aims.	Project method.
31.	Supervision	Principles and areas	Understanding of Principles and areas.	Project method.
32.	Supervision	Types and procedures of supervision.	Understanding of types and procedures of supervision..	Project method.
33.	Supervision	Role of Educational Administrators at school level.	Learners will understand Role of Educational Administrators at school level.	Project method.
34.	Supervision	Role of Educational Administrators at Block, District and State level	Learners will know about Role of Educational Administrators at Block, District and State level.	Project method.
35.	School Records and Registers	Meaning and importance	Understanding of meaning, importance	Lecture method followed by discussion.
36.	School Records and Registers	Types of School Records and Registers.	Learners will know about types of School Records and Registers	Lecture method followed by discussion/PowerPoint presentation.
37.	School Records and Registers	essential requirements	Learners will understand essential requirements	Lecture method followed by discussion/PowerPoint presentation.
38.	School Records and Registers	Maintenance of school records.	Understanding of maintenance of school records.	Lecture method followed by discussion/PowerPoint presentation.
39.	Co-curricular Activities	Meaning, importance	Learners will understand Meaning, importance	Brain storming and discussion

40.	Co-curricular Activities	Principles of organizing co-curricular activities.	Learners will know about principles of organizing co-curricular activities	Lecture method followed by discussion/PowerPoint presentation.
41.	Co-curricular Activities	Morning Assembly	Learners will understand Morning Assembly	Brain storming and discussion
42.	Co-curricular Activities	N.S.S.	Learners will know about Understanding of NSS	Group discussion.
43.	Co-curricular Activities	N.C.C.	Learners will know about NCC	Group discussion.
44.	Co-curricular Activities	Fieldtrips.	Learners will know about Understanding of Fieldtrips.	Brain storming and discussion
45.	Leadership: Concept, Need &Development of Leadership Qualities among teachers and students.	Learners will know about Leadership		Assignment

PRACTICALWORK/ SESSIONAL WORK

(a)Construction of Time Table of a school,

(b) Observation of school Registers.

Teaching of Commerce-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Course Objectives

- Develop an understanding of the content in commerce
- Acquire the knowledge of nature and scope of commerce
- Acquire the knowledge of history of commerce
- Develop an appreciation towards the role of commerce in daily life.
- Develop the understanding of aims and objectives of teaching commerce.
- Develop the understanding of the various methods, approaches and techniques of teaching commerce
- Develop an understanding of planning daily lessons and unit plan.
- Apply the knowledge of methodology in their teaching

Lect. No	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical tools
1.	Nature of Business	Meaning of Business	Learners will understand Meaning of Business	Brain storming and discussion
2.	Nature of Business	scope of Business	Understanding scope of Business	Lecture method followed by discussion
3.	Nature of Business	Evolution of Business	Explain the Evolution of Business	Lecture method followed by discussion
4.	Nature of Business	different stages involved in business	Learners will enlist the different stages involved in business	Lecture method followed by discussion
5.	Business ethics	Meaning of Business ethics	Learners will understand	Brain storming and discussion
6.	Business ethics	importance of large scale business organizations	Understanding importance of large scale business organizations	Lecture method followed by inductive and deductive approach

7.	Forms of Business ownership	Meaning and kinds	Learners will enlist the Meaning and kinds	Lecture method followed by inductive and deductive approach
8.	Partnership Firms	Meaning and features of Partnership Firms	Explain the Meaning and features of Partnership Firms	Brain storming and discussion
9.	Partnership Firms	Types of Partnership Firms	Learners will enlist the Types of Partnership Firms	Lecture method followed by discussion
10.	Partnership Firms	Advantages & limitations of Partnership Firms	Learners will understand Advantages & limitations of Partnership Firms	Brain storming and discussion
11.	Partnership Firms	Applicability of Partnership Firms	Learners will enlist the Applicability of Partnership Firms	Lecture method followed by discussion
12.	contemporary issues in Business	Concepts	Understanding concepts	Lecture method followed by discussion
13.	Banking	Meaning and characteristics of Banks	Learners will enlist the Meaning and characteristics of Banks	Brain storming and discussion
14.	Banking	different types of accounts	Understanding different types of accounts	Lecture method followed by discussion
15.	Banking	advantages of Bank accounts	Explain the advantages of Bank accounts	Lecture method followed by PPT
16.	Commerce	Meaning and nature of commerce	Learners will understand Meaning and nature of commerce	Lecture method followed by discussion
17.	Commerce	History of India's Freedom Movement in Commerce	Explain the History of India's Freedom Movement in Commerce	Lecture method followed by discussion
18.	Commerce	Constitutional obligation, India's common cultural heritage	Learners will understand Constitutional obligation, India's common cultural heritage	Lecture method followed by discussion

19.	Commerce	Need and importance of Teaching & Learning of Commerce	Understanding Need and importance of Teaching & Learning of Commerce	Brain storming and discussion
20.	Commerce	Structure of commerce as a subject	Explain the Structure of commerce as a subject	Lecture method followed by discussion
21.	Correlation of Commerce with other school subject	Correlation of Commerce with Economics	Learners will understand Correlation of Commerce with Economics	Brain storming and discussion
22.	Correlation of Commerce with other school subject	Correlation of Commerce with Mathematics	Understanding Correlation of Commerce with Mathematics	Lecture method followed by discussion
23.	Correlation of Commerce with other school subject	Correlation of Commerce with Geography	Learners will enlist the Correlation of Commerce with Geography	Lecture method followed by PPT
24.	Correlation of Commerce with other school subject	Correlation of Commerce with Social Science	Explain the Correlation of Commerce with Social Science	Lecture method followed by discussion
25.	Commerce in school curriculum	Place of Commerce in school curriculum	Learners will understand Place of Commerce in school curriculum	Lecture method followed by discussion
26.	Commerce in daily life	Importance of Commerce in daily life	Understanding Importance of Commerce in daily life	Lecture method followed by chart
27.	Teaching of Commerce	General aims and objectives of teaching Commerce	Explain the General aims and objectives of teaching Commerce	Lecture method followed by discussion
28.	Aims of Teaching Commerce	Disciplinary	Learners will understand Disciplinary	Lecture method followed by discussion
29.	Aims of Teaching Commerce	Utilitarian	Explain the Utilitarian	Lecture method followed by discussion
30.	Aims of Teaching Commerce	Cultural	Understanding Cultural	Lecture method followed by discussion

31.	Teaching Commerce according to Bloom's Taxonomy	Objectives of Teaching Commerce according to Bloom's Taxonomy of Educational objectives	Learners will enlist the Objectives of Teaching Commerce according to Bloom's Taxonomy of Educational objectives	Lecture method followed by discussion
32.	Behavioural terms	List of Instructional objectives in Behavioural terms	Learners will understand List of Instructional objectives in Behavioural terms	Lecture method followed by discussion
33.	Methods of Teaching Commerce	Lecture method and Discussion method	Explain the Lecture method and Discussion method	Lecture method followed by PPT
34.	Methods of Teaching Commerce	Lecture-cum-demonstration method	Learners will enlist the Lecture-cum-demonstration method	Lecture method followed by discussion
35.	Methods of Teaching Commerce	Inductive deductive method	Learners will understand Inductive deductive method	Lecture method followed by discussion
36.	Methods of Teaching Commerce	Survey and Market studies	Explain the Survey and Market studies	Lecture method followed by PPT
37.	Methods of Teaching Commerce	Analytical method	Understanding Analytical method	Lecture method followed by charts
38.	Methods of Teaching Commerce	Project method	Learners will understand Project method	Lecture method followed by discussion
39.	Methods of Teaching Commerce	Problem solving method	Learners will enlist the Problem solving method	Lecture method followed by discussion
40.	Techniques	Review, Field work, and interview	Explain the Review, Field work, and interview	Lecture method followed by discussion
41.	Lesson Planning	Unit Analysis	Understanding Unit Analysis	Lecture method followed by discussion
42.	Lesson Planning	Content Analysis and Task Analysis	Learners will understand Content Analysis and Task Analysis	Lecture method followed by discussion

43.	Lesson Planning	Planning daily lesson plan	Learners will enlist the Planning daily lesson plan	Lecture method followed by inductive and deductive approach
44.	Unit plan	Steps and format	Explain the Unit plan- Steps and format	Lecture method followed by inductive and deductive approach
45.	Unit plan	advantages of unit planning	Explain the advantages of unit planning advantages of unit planning	Lecture method followed by inductive and deductive approach
46.	Unit plan	Difference between Unit Plan and Lesson Plan	Learners will understand Difference between Unit Plan and Lesson Plan	Lecture method followed by discussion

Practical/ Sessional work

- Visit to banks, insurance house, trade centers, companies & other business house
- Collection of business documents, newspaper and magazines articles and analyse.

TEACHING OF ECONOMICS-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives :

- To acquire a conceptual understanding of Economics
- To acquire basic knowledge and skills to analyze and transact the Economics curriculum
- To sensitize and equip student teachers to handle Economic issues and concerns in a responsible manner
- Plan lessons based on different approaches to facilitate learning of Economics
- To enable student teachers examine the prevailing pedagogical practices in classrooms critically and to reflect on the desired changes
- To acquire basic knowledge and skills to analyze and transact the Economics curriculum
- To realize her/his role as facilitator in enhancing Economics learning in the real classroom situation.
- To explore the use and relevance of different learning resources and materials in learning different units in Economics.
- To develop learning materials on selected units to facilitate learning in Economics
- To understand different ways of assessing learner performance and providing additional support to the learners
- To reflect upon her/his own experiential knowledge in the process of becoming a Social Science teacher.

Lect. no	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical tools
1.	Economics as a school subject	Concept of Economics as a school subject	Learners will understand Concept of Economics as a school subject	Group discussion method
2.	Economics as a school subject	Importance and scope of Economics as a school subject	Learners will enlist the importance and scope of Economics as a school subject	Lecture method followed by discussion
3.	Understanding Economics with other school subjects	Understanding Economics in relation to Commerce	Explain Understanding Economics in relation to Commerce	Discussion method

4.	Understanding Economics with other school subjects	Understanding Economics in relation to History	Learners will understand Understanding Economics in relation to History	Project method
5.	Understanding Economics with other school subjects	Understanding Economics in relation to Geography	Learners will enlist the Understanding Economics in relation to Geography	Brain storming and discussion
6.	Understanding Economics with other school subjects	Understanding Economics in relation to Civics	Understanding Economics in relation to Civics	Discussion method
7.	Understanding Economics with other school subjects	Understanding Economics in relation to Mathematics	Explain Understanding Economics in relation to Mathematics	Brain storming and discussion
8.	Understanding Economics with other school subjects	Understanding Economics in relation to Statistics	Understanding Economics in relation to Statistics	Brain storming and discussion
9.	Understanding Economics with other school subjects	Understanding Economics in relation to Agriculture	Explain Understanding Economics in relation to Agriculture	Group discussion method
10.	Understanding Economics with other school subjects	Understanding Economics in relation to Science	Learners will understand Understanding Economics in relation to Science	Lecture method
11.	teaching of Economics at Secondary Level in light of NCF-05	Aims and Objective of teaching of Economics	Learners will enlist the Aims and Objective of teaching of Economics	Lecture method followed by discussion
12.	Methods of Teaching	Lecture Method	Understanding Lecture Method	Lecture method followed by discussion
13.	Methods of Teaching	Discussion Method	Explain Discussion Method	Group discussion method

14.	Methods of Teaching	Inductive- deductive method	Learners will understand Inductive- deductive method	Inductive and deductive approach
15.	Methods of Teaching	Project Method	Learners will enlist the Project Method	Lecture method
16.	Methods of Teaching	Survey Method	Understanding Survey Method	Group discussion method
17.	Methods of Teaching	Cooperative learning Method	Explain Cooperative learning Method	Lecture method followed by
18.	Techniques of Teaching	Supervised Study	Learners will understand Supervised Study	Project method
19.	Techniques of Teaching	Jurisprudential Enquiry	Learners will enlist the Jurisprudential Enquiry	Lecture method
20.	Techniques of Teaching	Dramatization	Understanding Dramatization	Lecture method followed by charts
21.	Techniques of Teaching	Brain-Storming	Explain Brain-Storming	Lecture method followed by discussion
22.	Techniques of Teaching	Field trip and Simulation	Learners will understand Field trip and Simulation	Lecture method followed by discussion
23.	Critical Analysis of Economics	Concept of curriculum	Learners will enlist the Concept of curriculum	Discussion method
24.	Critical Analysis of Economics	role of curricula	Learners will enlist the role of curricula	Lecture method
25.	Development of economic	values	Understanding values	Group discussion method
26.	Development of economic	Critical thinking	Explain Critical thinking	Discussion method
27.	Economics Teacher	Qualities	Learners will understand Qualities	Brain storming and discussion

28.	Economics Teacher	Professional development	Learners will enlist the Professional development	Lecture method followed by discussion
29.	Indian Economy	Sectors of Indian Economy	Understanding Sectors of Indian Economy	Lecture method followed by model
30.	Indian Economy	Agriculture Economy	Explain Agriculture Economy	Brain storming and discussion
31.	Indian Economy	national Economy	Learners will understand national Economy	Lecture method followed by discussion
32.	Poverty	Poverty as challenge	Learners will enlist the Poverty as challenge	Group discussion method

Practical/ Sessional work

- Preparing mock budget of their home/school for a financial year
- PowerPoint presentation based seminar on the contributions of any one eminent Economist: Contribution of eminent Indian and Foreign Economists towards Economics

TEACHING OF ENGLISH – I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives:

After completion of course the student will be able to

- Understand the nature of English language and its relation to disciplinary knowledge
- Analyse the pedagogy as the integration of knowledge about the learner, the subject and Societal context
- Apply pedagogical approaches for the teaching in different situations

Lecture No.	Topic	Lecture description	Terminal behaviour / Learning outcomes	Pedagogical Tools & Teaching
1	Role of language and position of English in India; Nature of language	Linguistic principles	Learners will understand the linguistic principles of language	Lecture method followed by illustrations
2	Nature of language	pedagogical implications of linguistics principles	Learners will know how to imply linguistic principles	Group discussion method
3	Language and society	With special reference to gender	Understanding of language and society with reference to gender	Brain storming and discussion
4	Language and society	With special reference to identity	Understanding of language and society with reference to identity	Group discussions followed by illustrations
5	Language and society	With special reference to power	Understanding of language and society with reference to power	Brain storming cum discussion
6	Language and society	With special reference to class	Learners will know about language and society with reference to class	Lecture method followed by discussion

7	Role of English language in the Indian context	English as a colonial language	Learners will be able to understand English as a colonial language	Lecture cum discussion method
8	Role of English language in the Indian context	English in post-colonial times	Learners will be able to know about the role of English language in post colonial times	Lecture cum discussion method
9	Role of English language in the Indian context	English as a language of knowledge	Understanding English as a language of knowledge	Group discussion method
10	Role of English language in the Indian context	position of English as second language in India	Understanding the position of English as second language	Brain storming and discussion
11	Role of English language in the Indian context	English and role of mother tongue	Learners will be able to understand the role of English and mother tongue	Comparative method and discussion
12	Role of English language in the Indian context	English as a link language	Learners will understand English as a link language	Lecture method followed by ppt
13	Methods of Language Teaching	Grammar Translation Method	Learners will be able to understand the concept, principles, merits and demerits of grammar translation method	Group discussion followed by ppt
14	Methods of Language Teaching	Direct/Natural Method	Learners will be able to understand the concept, principles, merits and demerits of direct method	Group discussion followed by ppt
15	Methods of Language Teaching	Audio-Lingual method	Learners will be able to understand the concept, principles, merits and demerits of audio-lingual method	Group discussion followed by ppt
16	Approaches of Language Teaching	Structural-Situational Approach	Learners will be able to understand the Structural-Situational Approach	Lecture method followed by ppt

17	Approaches of Language Teaching	Communicative Approach	Learners will be able to understand the Communicative Approach	Lecture method followed by ppt
18	Approaches of Language Teaching	Multilingual Approach	Learners will be able to understand the Multilingual Approach	Lecture method followed by ppt
19	Approaches of Language Teaching	Constructive Approach	Learners will be able know about constructive approach	Lecture method followed by ppt
20	Acquisition of Language Skills:listening	Identification of sounds	Learners will be able to identify the sounds	Audio lessons followed by Choral speaking in Language lab
21	Acquisition of Language Skills:Listening	Syntactic pattern	Learners will be able to understand the syntactic patterns	Comparative method cum group discussion
22	Acquisition of Language Skills: Listening	identifying emotional/attitudinal tone	Learners will be able to identify the emotional/attitudinal tone	Oral approach in various tones followed by illustrations
23	Acquisition of Language Skills:- Listening and speaking	Tasks, materials and resources for developing the listening and speaking skills	Learners will be able to develop Story-telling, dialogues, situational conversations	Activity method/oral presentations followed by cues
24	Acquisition of Language Skills:- Listening and speaking	Tasks, materials and resources for developing the skills	Learners will be able to develop role plays, simulations, speech, games	Activity method/ oral presentations followed by cues
25	Acquisition of Language Skills:- Listening and speaking	Tasks, materials and resources for developing the skills	Learners will be able to develop contexts, discussions, debates, workshops and seminars	Activity method /oral presentations followed by cues
26	Teaching of Grammar	Inductive and Deductive approach	Learners will be able to understand the concept of Inductive and Deductive approach	Lecture demonstration method

27	Teaching of Vocabulary	Selection and gradation	Learners will be able to know the types & selection and gradation of vocabulary	Lecture cum ppt
28	Evaluation of language proficiency of student teacher	Grammar	Learners will be able to understand the Parts of speech	Group discussion followed by ppt
29	Evaluation of language proficiency of student teacher	Grammar	Learners will be able to change the Reported speech	Group discussion followed by ppt
30	Evaluation of language proficiency of student teacher	Grammar	Learners will be able to change the voices from active to passive and vice versa	Group discussion followed by ppt
31	Evaluation of language proficiency of student teacher	Grammar	Learners will add new words into their vocabulary	Group discussion followed by ppt
38	Evaluation of language proficiency of student teacher	Unseen passage	Understanding of Factual and literary passage	Group discussion cum practice

Practical/SESSIONAL WORK:

Organise literary activity

TEACHING OF FINE ARTS- I

Total Marks: 50

Theory: 40

Internal Assessment: 10

OBJECTIVES:

To enable student teachers to:

- Learn and understand the concept, importance and scope of art and to apply them in teaching and in daily life.
- Acquaint with objectives and different principles of fine arts.
- Develop the skill of using various teaching methods and techniques for teaching of fine arts.
- Develop criticism and aesthetic sense.
- Develop imagination and sense of appreciation and interest in teaching of fine arts.
- Know about professional competencies of fine arts teacher.

Lecture no.	Topic	Lecture description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1. 2.	What is Art:	Meaning and concept of art	Learners will understand meaning and concept of art	PPT followed by discussion
3.	What is Art:	Importance of Art	Learners will understand Importance of Art	Lecture method followed by discussion
4.	What is Art:	Scope of Art/ different forms of art	Learners will know about Scope of Art	Demonstration followed by discussion
5.	Origin and development of Art	Meaning, definitions	Learners will understand meaning, definitions of Origin and development of Art	PPT followed by discussion
6.	Origin and development of Art	Origin and development of Art in India	Learners will understand Origin and development of Art in india	Lecture method followed by discussion

7.	Origin and development of Art	Special reference to pre- historic and Mughal Period	Learners will understand Special reference to pre- historic and Mughal Period	Lecture method followed by discussion
8.	Aims and Objectives of teaching Fine Arts at secondary level	Meaning, definitions	Learners will understand meaning and definitions of art	Lecture method followed by discussion
9.	Aims and Objectives of teaching Fine Arts	Aims and objectives of teaching fine arts	Learners will understand the Aims of teaching fine arts	PPT followed by discussion
10.	Aims and Objectives of teaching Fine Arts	Role of art in daily life	Learners will understand about role of art in daily life	Lecture method followed by PPT
11.	Principles of teaching fine arts	Meaning, definitions	Learners will understand meaning, definitions of teaching fine arts	Lecture method followed by discussion
12.	Principles of teaching fine arts	Principles of teaching fine arts	Learners will understand Principles of teaching fine arts	Lecture method followed by discussion
13.	Importance of Exhibitions & Competitions in encouraging creative Expression among Students	Meaning, definitions	Learners will understand meaning, definitions of exhibitions & Competition	Demonstration followed by discussion
14.	Importance of Exhibitions & Competitions in encouraging creative Expression among Students	Importance of exhibition	Learners will understand the Importance of exhibition	Lecture method followed by discussion
15.	Importance of Exhibitions & Competitions creative Expression among Students	Importance of Competitions creative Expression among Students	Learners will understand Importance of Competitions creative Expression among Students	Lecture method followed by discussion

16.	Principles of curriculum construction at secondary level	Meaning , definitions	Learners will understand Meaning , definitions of curriculum construction at secondary level	Lecture method followed by discussion
17.	Principles of curriculum construction at secondary level	Principles of curriculum construction	Learners will understand Principles of curriculum construction	Lecture method followed by discussion
18.	Importance of art room, its organization and various requirements	Meaning, definitions, Importance of art room	Learners will understand the Importance of art room	Discussion method followed by PPT
19.	Importance of art room, its organization and various requirements	organization and various requirements of art room	Learners will know about organization and various requirements of art room	Discussion method followed by PPT
20.	Art criticism and aesthetic judgement in evaluating art objects	Art criticism and aesthetic judgement	Learners will understand about Art criticism and aesthetic judgement	Lecture method
21.	Contribution of Artists:	Sobha singh	Learners will know about life and paintings of Sobha singh	Lecture method followed by PPT
22.	Contribution of Artists:	Amrita Shergill, RabinderNath Tagore	Learners will know about life and paintings of Amrita Shergill, RabinderNath Tagore	Lecture method followed by PPT
23.	Contribution of Artists:	Satish Gujral	Learners will know about life and paintings of Satish Gujral	Demonstration method followed by PPT
24.	Qualities and professional competencies of fine arts teacher	Qualities of fine arts teacher	Learners will understand about Qualities of fine arts teacher	Lecture method+ PPT

25.	Qualities and professional competencies of fine arts teacher	professional competencies of fine arts teacher	Learners will know about professional competencies of fine arts teacher	Lecture method + PPT
26.	Methods and Techniques of teaching Fine Arts:	Meaning, definitions of teaching Fine Arts	Learners will know about Meaning, definitions of teaching Fine Arts	Lecture method
27.	Methods and Techniques of teaching Fine Arts:	Lecture cum Demonstration Methods of teaching Fine Arts	Learners will understand the Lecture cum Demonstration methods of teaching Fine Arts	Lecture cum Demonstration method
28.	Methods and Techniques of teaching Fine Arts:	Direct Observation method of teaching Fine Arts	Learners will understand about Direct Observation method of teaching Fine Arts	Lecture cum Demonstration method
29.	Methods and Techniques of teaching Fine Arts:	Method of Imagination and Free Expression	Learners will understand about Method of Imagination and Free Expression of teaching Fine Arts	Lecture cum Demonstration method
30.	New trends in teaching of fine arts	Meaning, definitions	Learners will know about Meaning, definitions of New trends in teaching of fine arts	Lecture method
31.	Art as an occupation	Meaning, definitions of occupation	Learners will know about Meaning of occupation	Lecture method
32.	Art as an occupation	Art as an occupation	Learners will know about Art as an occupation	Lecture method
33.	Design	Meaning, definitions of design	Learners will know about Meaning of design	Lecture method followed by discussion
34.	Design	Types of design	Learners will know about types of design	Lecture method
35.	Colour	Meaning, definitions of colour	Learners will understand the Meaning, definitions of colour	Lecture method followed by PPT

36.	Colour	Types and effects of colour	Learners will understand about Types and effects of colour	Lecture method followed by PPT
37.	Colour	Role of daily life in colour	Learners will understand about Role of daily life in colour	Demonstration method followed by PPT
38.	Origin and development of art in India with special reference to pre historic and mughal period	Origin and development of art in India	Learners will understand about Origin and development of art in India with special reference to pre historic and mughal period	Assignment
39.	New trends in teaching of fine Arts	New trends in teaching of fine Arts	Learners will understand New trends in teaching of fine Arts	Seminar

Practical:

Practical work to be submitted by students during the session

(a) One canvas in size 18'X22'

(b) One utility item

TEACHING OF HOME SCIENCE-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives:

After completion of the course, the student teachers will be able to –

- Develop an understanding of the meaning and nature of Home Science for determining the aims and strategies of teaching learning.
- Integrate Home Science knowledge with other school subjects
- Identify and formulate aims and objectives of Home science Teaching.
- Critically evaluate the existing home science curriculum at secondary level.
- Apply various approaches and methods of teaching home science.

Lecture No.	Topic	Lecture Description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1.	Home Science as a dynamic body of knowledge	Meaning, definitions of Home science	Learners will be able to understand the Meaning, definitions of Home science	Lecture Method
2.	Home Science as a Science and art and its nature	Importance of Home Science in art and its nature	Learners will be able to understand the Importance of Home Science in art and its nature	Lecture cum discussion Method
3.	Application of Home science to the need of the society	Application of Home science to the need of the society	Learners will be able to understand Application of Home science to the need of the society	Lecture cum discussion Method
4.	Uniqueness of Home Science and its inter disciplinary linkages vis a vis applications for human development	Meaning, definitions of Uniqueness Home science for human development	Learners will be able to understand the Meaning, definitions of Uniqueness Home science for human development	Lecture Method + PPT
5.	Home Science and its inter disciplinary linkages vis a vis applications for	Home Science and its inter disciplinary linkages vis a vis applications for human	Learners will be able to know about Home Science and its inter disciplinary linkages vis a vis	Lecture cum discussion Method

	human development	development	applications for human development	
6.	Aims and Objectives of teaching of Home Science	Meaning of teaching Home science	Learners will be able to know about Meaning, definitions of Home science Teaching	Lecture Method + PPT
7.	Aims and Objectives of teaching of Home Science	Aims and objectives of Home Science Teaching	Learners will be able to understand the Aims and objectives of Home Science Teaching	Lecture Method
8.	Aims and Objectives of teaching of Home Science	Bloom's taxonomy of Educational Objectives	Learners will be able to understand about Bloom's taxonomy of Educational Objective	Lecture Method + PPT
9.	Aims and Objectives of teaching of Home Science	Instructional Objectives	Learners will be able to understand about Instructional Objectives of Home Science	Lecture cum discussion Method
10.	Formulation of Specific objectives in behavioral terms	Meaning and importance of Specific objectives in behavioral terms	Learners will be able to know about Meaning and importance of Specific objectives in behavioral terms	Lecture Method followed by discussion method
11.	Formulation of Specific objectives in behavioral terms	Magers approach	Learners will be able to know about Magers Approach	Lecture cum Demonstration Method
12.	Formulation of Specific objectives in behavioral terms	RCEM approach	Learners will be able to know about RCEM approach	Lecture cum Demonstration Method
13.	Curriculum Construction	Meaning, definitions of Curriculum Construction	Learners will be able to know about Meaning, definitions of Curriculum Construction	Lecture cum Discussion Method
13.	Curriculum Construction	Principles of Curriculum Construction	Learners will be able to know about Principles of Curriculum Construction	Lecture cum Discussion Method

14.	Curriculum Construction	Evaluation of existing school curriculum of Home Science at Secondary level using different evaluation Models	Learners will be able to know about Evaluation of existing school curriculum of Home Science at Secondary level using different evaluation Models	Lecture cum Discussion Method
15.	Approaches and Methods of Teaching Home Science	Meaning of Methods of Teaching Home Science	Learners will be able to know about Meaning of Methods of Teaching Home Science	Lecture cum Discussion Method
16.	Approaches and Methods of Teaching Home Science	Lecture cum Demonstration Method	Learners will be able to know about Lecture cum Demonstration Method	Demonstration cum lecture Method + PPT
17.	Approaches and Methods of Teaching Home Science	Project method and discussion method	Learners will be able to know about	Discussion Method + PPT
18.	Approaches and Methods of Teaching Home Science	Laboratory method and Problem Solving method	Learners will be able to know about Laboratory method and Problem Solving method	Demonstration Method + PPT
19.	Approaches and Methods of Teaching Home Science	Field trips in teaching Home Science	Learners will be able to know about Field trips in teaching Home Science	Demonstration Method + PPT
20.	Pedagogical analysis of any five topics in Home Science	Pedagogical analysis of any five topics in Home Science	Learners will be able to know about Pedagogical analysis of any five topics in Home Science	Lecture method
21.	Food its constituents	Food, its constituents	Learners will be able to know about Food its constituents	Lecture method
22.	Functions and sources of food	Functions and sources of food	Learners will be able to know about Functions and sources of food	Lecture method
23	Care and maintenance of cotton	Care and maintenance of cotton	Learners will be able to know about care and maintenance of cotton and	Lecture method

			wool	
24	Care and maintenance of silk	Care and maintenance of silk	Learners will be able to know about care and maintenance of silk	Lecture cum discussion method
25	Guidelines for making arrangement and rangoli	Guidelines for making arrangement and rangoli	Learners will know about guidelines for making arrangement and rangoli.	Demonstration cum discussion method
26	Elements of art in interior decoration	Elements of art in interior decoration	Learners will know about elements of art in interior decoration	Lecture cum discussion method
27	Uniqueness of home science and its interdisciplinary vis a vis applications for human development	Uniqueness of home science and its interdisciplinary vis a vis applications for human development	Learners will know about Uniqueness of home science and its interdisciplinary vis a vis applications for human development	Assignment

Practical work:

1. Flower arrangement and Rangoli.
2. Visit to an industry related to food processing/ home decoration and report writing.
3. Activities for aesthetic development.

TEACHING OF MUSIC-I

TOTAL MARKS:-50

THEORY - 40

INTERNAL ASSESMENT -10

Objectives:

- To enable student teacher to understand the importance of Indian music.
- To provide knowledge of different methods and techniques of teaching music.
- To acquaint student teacher with latest teaching skills.
- To equip with various types of ragas and different taals.
- To enable students teachers to organise competitions.
- To develop understanding and aesthetic sense in students.

Lecture No.	Topic	Lecture Description	Terminal behaviour / learning outcomes	Pedagogical Tools & Teaching
1.	Historical development of music and musical instruments from ancient to modern times	Introduction and music in pre- Vedic period	Learners will know about music in pre Vedic period	Lecture cum discussion method
2.	Historical development of music and musical instruments from ancient to modern times	Music in Vedic period	Learners will know about music in Vedic period	Lecture cum discussion method
3.	Historical development of music and musical instruments from ancient to modern times	Music in middle age	Learners will know about Music in middle age	Lecture cum discussion method

4.	Historical development of music and musical instruments from ancient to modern times	Music in modern period	Learners will know about Music in modern period	Lecture cum discussion method
6.	Aims and objectives of teaching of music and Importance of music in daily life	Introduction and general aims and objectives of teaching of music	Learners will understand about general aims and objectives of teaching of music	Lecture cum discussion method
7.	Aims and objectives of teaching of music and Importance of music in daily life	Specific aims of teaching of music at primary and secondary stage	Learners will understand about Specific aims of teaching of music at primary and secondary stage	Lecture cum discussion method
9.	Music curriculum construction	Introduction ,Meaning and principle bases of determining curriculum	Learners will understand Meaning and principle bases of determining curriculum	Lecture cum discussion method
10.	Music curriculum construction	Introduction ,Meaning and principle bases of determining curriculum	Learners will understand Meaning and principle bases of determining curriculum	Lecture cum discussion method followed by group discussion
11.	Music curriculum construction	Principle of determining curriculum	Learners will understand about the Principle of determining curriculum	Lecture cum discussion method followed by group discussion
12.	Indian classical music in educational institutions, its importance ,popularization	Introduction and suggestions for popularising classical music in educational institutions	Learners will understand how popularising classical music in educational institutions	Group discussion

14.	Methods of teaching music	Introduction and teacher pupil tradition and modern education system	Learners will know about the difference between teacher pupil tradition and modern education system	Lecture cum discussion method followed by PPT
15.	Methods of teaching music	Practical methods [geet method, through alankaar, demonstration method, heuristic method, project method, play method, Dramatisation method]	Learners will know about principle of Practical methods [geet method, through alankaar, demonstration method, heuristic method, project method, play method, Dramatisation method]	Lecture cum discussion method followed by PPT
16.	Methods of teaching of music	Theoretical methods of teaching of music [lecture method, explanation method, inductive –deductive method, group discussion method]	Learners will know about principle of Theoretical methods of teaching of music [lecture method, explanation method, inductive –deductive method, group discussion method]	Lecture cum discussion method followed by PPT
18.	Relationship of music with other subjects	Relationship between music and other subjects [maths, science, fine art, language]	Learners will understand about the Relationship between music and other subjects [maths, science, fine art, language]	Lecture cum discussion method followed by group discussion
19.	Voice culture and larynx	Introduction and importance of voice culture	Learners will understand about the importance of voice culture	Lecture cum discussion method
20.	Voice culture and	Introduction, structure	Learners will understand about the	Lecture cum discussion

	larynx	and function of larynx	structure and function of larynx	method
22.	Lesson plan, unit plan	Introduction , importance and concept of writing a lesson plan and unit plan	Learners will understand about the importance and concept of writing a lesson plan and unit plan	Lecture cum discussion method followed by PPT
23.	Lesson plan, unit plan	Procedure of lesson and unit plan	Learners will understand about the procedure of writing a lesson plan and unit plan	Lecture cum discussion method followed by PPT
24.	Evaluation in music	Introduction and importance of Evaluation in music	Learners will understand about the importance of Evaluation in music	Lecture cum discussion method
25.	Evaluation in music	Classification of the process of evaluation	Learners will understand about the Classification of the process of evaluation	Lecture cum discussion method
27.	Knowledge of taals	Introduction and ikgun-dugun of Dadra, Rupak and Kehrwa taal	Learners will know about the ikgun-dugun of jhaptaal, ektaal ,chartaal and teentaal	Lecture cum demonstration
28.	Knowledge of taals	Introduction and ikgun-dugun of jhaptaal, ektaal ,chartaal and teentaal	Learners will know about the ikgun-dugun of jhaptaal, ektaal ,chartaal and teentaal	Lecture cum demonstration
29.	Knowledge of tabla ,taanpura and sitar	Introduction and knowledge of different part of musical instrument Tabla	Learners will know about the different part of musical instrument Tabla	Lecture demonstration
30.	Knowledge of tabla ,taanpura and sitar	Introduction and knowledge of different part of musical	Learners will know about the different part of musical	Lecture demonstration

		instrument Taanpura	instrument Taanpura	
31.	Knowledge of tabla ,taanpura and sitar	Introduction and knowledge of different part of musical instrument Sitar	Learners will know about the different part of musical instrument Sitar	Lecture demonstration

Practical /Sessional work:

- Playing dadra , rupak and kehrwa taal on hand, Playing jhaptaal, ektaal, chaartaal and teentaal in hand, Singing and Playing National Anthem on Harmonium

TEACHING OF COMPUTER SCIENCE-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

OBJECTIVES

- To acquire the knowledge of nature and scope of Computer Science
- To acquire the knowledge of history of Computer Science
- To develop an understanding of content of Computer Science at the Secondary School level.
- To develop an understanding of aims and objectives of teaching Computer Science
- To develop an understanding of the various methods, approaches and techniques of teaching Computer Science
- To develop the skill in preparing daily and unit lesson plans using various methods and approaches
- To develop the skill in critically analyze the syllabus of secondary school Computer Science curriculum
- To develop the appreciation towards the contributions of great personalities who contributed for the development of Computer Science

Lecture No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1	The techniques and Technology of computer	Lecture method	To enable the student teachers understand Introduction; computer needs; generations of computers	Lecture method followed by discussion
2	The techniques and Technology of computer	Lecture method	To enable the student teachers understand Introduction; computer needs; generations of computers	Lecture method followed by discussion
3	The techniques and Technology of computer	Lecture method	To enable the student teachers understand generations of computers	power point presentation & Explanation
4	The techniques and Technology of computer	Lecture method	To introduce the student teachers with the Principals Of Computers;	Lecture method followed by discussion
5	The techniques and Technology of computer	Lecture method	To introduce the student teachers with the Principals Of Computers;	Lecture method followed by discussion

6	The techniques and Technology of computer	Lecture method followed by discussion method	To make them clear about the Techniques Of Computing	power point presentation & Explanation
7	The techniques and Technology of computer	Lecture method	To enable the student teachers understand Hardware	power point presentation & Explanation
8	The techniques and Technology of computer	Lecture method	To enable the student teachers understand software	Lecture method followed by discussion
9	The techniques and Technology of computer	Lecture method	Learners will Know and Comprehend about Programming Logics And Learning Strategies	power point presentation & Explanation
10	The techniques and Technology of computer	Lecture method followed by discussion method	To enable the student teachers understand; Values Of Learning Computers	Transparencies and chalk board.
11	Nature And Scope Of Computer Science	Lecture method	To enable the student teachers understand the Nature Of Computer Science –Meaning Of Characteristics	Chalk board, power point presentation & Explanation.
12	Nature And Scope Of Computer Science	Lecture method	To enable the student teachers understand the Nature Of Computer Science –Meaning Of Characteristics	Chalk board, power point presentation & Explanation.
13	Nature And Scope Of Computer Science	Lecture method followed by discussion method	Learners will be understand Nature Of Computer Science – Basic Concepts, Facts	Lecture method followed by discussion + ppt.
14	Nature And Scope Of Computer Science	Lecture method followed by discussion method	Learners will be understand Nature Of Computer Science – Basic Concepts, Facts	Lecture method followed by discussion + ppt.
15	Nature And Scope Of Computer Science	Lecture method	Learners will be understand Nature Of Computer Science – Basic Concepts, Facts Generalizations In Computer Science	Chalk board, power point presentation & Explanation.

16	Nature And Scope Of Computer Science	Lecture method	Learners will be understand Nature Of Computer Science – Basic Concepts, Facts Generalizations In Computer Science	Chalk board, power point presentation & Explanation.
17	Nature And Scope Of Computer Science	Lecture method	To enable the student teachers understand Scope Of Computer Science - Relation With Other Science and its uses in a day to day life	Lecture method followed by discussion
18	Nature And Scope Of Computer Science	Lecture method	To enable the student teachers understand Scope Of Computer Science - Relation With Other Science and its uses in a day to day life	Chalk board, power point presentation & Explanation.
19	Aims And Objectives Of Teaching Computer Science	Lecture method followed by discussion method	Learners will Know and Comprehend about Aims and objectives of teaching computer science at different levels	Lecture method followed by discussion
20	Aims And Objectives Of Teaching Computer Science	Lecture method followed by discussion method	Learners will Know and Comprehend about Aims and objectives of teaching computer science at different levels	Lecture method followed by discussion
21	Aims And Objectives Of Teaching Computer Science	Lecture method	Learners will be understand Blooms taxonomy of educational objectives	Explanation, Illustration technique.
22	Aims And Objectives Of Teaching Computer Science	Lecture method	Learners will be understand Blooms taxonomy of educational objectives	Explanation, Illustration technique.
23	Aims And Objectives Of Teaching Computer Science	Lecture method followed by discussion method	Learners will Know and Comprehend about Instructional objectives with specifications	Explanation, Illustration technique.
24	Aims And Objectives Of Teaching Computer Science	Lecture method followed by discussion method	Learners will Know and Comprehend about Instructional objectives with specifications	Explanation, Illustration technique.

25	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Strategies; Team Teaching ,Lecture	Explanation, Illustration technique.
26	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Strategies; Team Teaching ,Lecture	Explanation, Illustration technique.
27	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about lecture cum Demonstration	Lecture method cum Demonstration
28	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about lecture cum Demonstration	Lecture method cum Demonstration
29	Instructional Methods, Techniques And Planning For Teaching	Lecture method	To enable the student teachers understand Inductive- deductive , analytic –synthetic ,problem solving, seminar	Demonstration method Illustration technique
30	Instructional Methods, Techniques And Planning For Teaching	Lecture method	To enable the student teachers understand Inductive- deductive , analytic –synthetic ,problem solving, seminar	Demonstration method Illustration technique
31	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Small Group Strategies, Cooperative Learning, Group Learning ,Debate	Chalk board, power point presentation & Explanation, Illustration technique.
32	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Small Group Strategies, Cooperative Learning, Group Learning ,Debate	Chalk board, power point presentation & Explanation, Illustration technique.
33	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	Learners will Know and Comprehend about Discussion, individualized strategies, library based learning	Chalk board, power point presentation & Explanation, Illustration technique

34	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	Learners will Know and Comprehend about Discussion, individualized strategies, library based learning	Chalk board, power point presentation & Explanation, Illustration technique
35	Instructional Methods, Techniques And Planning For Teaching	Lecture method	To enable the student teachers understand Programmed learning, CAL, Web Based Learning	Chalk board, power point presentation & Explanation,
36	Instructional Methods, Techniques And Planning For Teaching	Lecture method	To enable the student teachers understand Programmed learning,CAL,Web Based Learning	Chalk board, power point presentation & Explanation,
37	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Techniques ; brainstorming ,buzz session, simulation	Demonstration method Illustration technique
38	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Techniques ; brainstorming ,buzz session, simulation	Demonstration method Illustration technique
39	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Symposium, team teaching- meaning ,organization & importance	Demonstration method Illustration technique
40	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	Learners will Know and Comprehend about Symposium, team teaching- meaning ,organization & importance	Demonstration method Illustration technique
41	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Planning; Unit plan & lesson plan	Demonstration method Illustration technique
42	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Planning; Unit plan & lesson plan	Demonstration method Illustration technique

43	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	To enable the student teachers understand Planning; Unit plan & lesson plan –meaning ,Steps, format and importance	Demonstration method Illustration technique
44	Instructional Methods, Techniques And Planning For Teaching	Lecture method followed by discussion method	To enable the student teachers understand Planning; Unit plan & lesson plan –meaning ,Steps, format and importance	Demonstration method Illustration technique
45	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Psychological Significance Of Columns And Steps Of Lesson Plan	Demonstration method Illustration technique
46	Instructional Methods, Techniques And Planning For Teaching	Demonstration method	To enable the student teachers understand Psychological Significance Of Columns And Steps Of Lesson Plan	Demonstration method Illustration technique

Sessional work:

- Critical analysis of teaching aids and their applications in instruction and learning.
- Preparation and presentation of slides for teaching any topic at the school level

TEACHING OF HISTORY-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives

- To acquire a conceptual understanding of the nature of History.
- Plan lessons based on different approaches to facilitate learning of History.
- Develop learning materials on selected units to facilitate learning in History.
- Understand different ways of assessing learner performance and providing Additional support to the learners
- Reflect upon her/his own experiential knowledge in the process of becoming a History teacher.

Lecture No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1	Concept of History	About definitions and characteristics of history	Students will be able to define Concept History	Lecture method followed by discussion
2	Importance of History	About Importance of History	Students will be able to understand Importance of History	Lecture method followed by discussion
3	scope of History	About scope of History	Students will be able to describe scope of History	Lecture method followed by discussion
4	Co-relation of History with Art	about Co-relation of History with Art	Students will be able to understand Co-relation of History with Art	Group discussion
5	Co-relation of History with Literature	About Co-relation of History with Literature	Students will be able to understand Co-relation of History with	Group discussion
7	Co-relation of History with geography	About Co-relation of History with geography	Students will be able to understand Co-relation of History with geography	Group discussion

8	Co-relation of History with Economics	About Co-relation of History with Economics	Students will be able to understand Co-relation of History with Economics	Group discussion
9	Co-relation of History with Civics	About Co-relation of History with Civics	Students will be able to understand Co-relation of History with Civics	Group discussion
10	Co-relation of History with Economics, Civics, Science.	About Co-relation of History with Science	Students will be able to understand Co-relation of History with Science.	Group discussion
11	Aims and Objectives of teaching History at Elementary(6-8Th class) level in light of NCF- Lecture method 2005	About Aims and Objectives of teaching History at Elementary(6-8 th class) level in light of NCF- Lecture method 2005	Students will be able to know Aims and Objectives of teaching History at Elementary(6-8 th class) level in light of NCF- Lecture method 2005	Lecture method followed by discussion
13	Aims and Objectives of teaching History at Secondary (9-10/12 class) level in light of NCF-2005	About Aims and Objectives of teaching History at Secondary (9-10/12 class) level in light of NCF-2005	Students will be able to know Aims and Objectives of teaching History at Secondary (9-10/12 class) level in light of NCF-2005	Lecture method followed by discussion
14	Methods of Teaching: Lecture method	About Methods of Teaching: Lecture method	Students will be able to know Methods of Teaching: Lecture method	Lecture method followed by discussion
15	Methods of Teaching: Story Telling method	About Methods of Teaching Story Telling method	Students will be able to know Methods of Teaching: Story Telling method	Lecture method followed by discussion
16	Methods of Teaching Source Method	About Methods of Teaching Source method	Students will be able to know Methods of Teaching: Source Method	Lecture method followed by discussion
17	Methods of Teaching Discussion method	About Methods of Teaching Discussion method	Students will be able to know Methods of Teaching Discussion Method	Discussion method

19	Methods of Teaching: Field Trips and Excursions.	About Methods of Teaching: Field Trips and Excursions.	Students will be able to know Methods of Teaching: Field Trips and Excursions.	Lecture method followed by discussion
20	Methods of Teaching: Cooperative learning Method.	About Methods of Teaching: Cooperative learning Method.	Students will be able to know Methods of Teaching: Cooperative learning Method.	Lecture method followed by discussion
21	Device and Technique of Teaching: Narration	About Device and Technique of Teaching: Narration	Students will be able to know Narrate any topic in history	Lecture method followed by Narration
22	Device and Technique of Teaching: Explanation.	About Devices and Techniques of Teaching: Explanation.	Students will be able to know Explanation any topic in history	Lecture method followed by explanation
23	Device and Technique of Teaching Illustration	Definitions, merits and demerits of Device and Technique of Teaching Illustration	Students will be able to know Illustrate any topic in history	Lecture method followed by illustration
25	Device and Technique of Teaching Description.	Definitions, merits and demerits of Device and Technique of Teaching Description.	Students will be able to know Illustrate any topic in history Describe any topic in history	Lecture method followed by description
26	Problems in exploring true historical facts and its genuine records	Explanation of Problems in exploring true historical facts and its genuine record	Students will be able to know Problems in exploring true historical facts and its genuine records	Lecture method followed by discussion
27	Role of Museums	About Role of Museums	Students will be able to know Role of Museums	Lecture method followed by discussion

28	Role of Monuments in learning history.	About Role of Monuments in learning history	Students will be able to know Role of Monuments in learning history	Lecture method followed by discussion
29	Critical Analysis of History curriculum at secondary stage – features, issues.	About Critical Analysis of History curriculum at secondary stage – features, issues.	Students will be able to know Critical Analysis of History curriculum at secondary stage – features, issues.	Lecture method followed by discussion
31	Critical Analysis of History curriculum at secondary stage – recommendations of NCF 2005	About Critical Analysis of History curriculum at secondary stage – recommendations of NCF 2005	Students will be able to know Critical Analysis of History curriculum at secondary stage – recommendations of NCF 2005	Lecture method followed by discussion
32	Inculcation of values such as social values values through History Curriculum	About Incultation of values such as social values through History Curriculum	Students will be able to know Incultation of values such as social values values through History Curriculum	Lecture method followed by discussion
33	Inculcation of values such as cultural values through History Curriculum period	About Incultation of values such as cultural values through History Curriculum period	Students will be able to know Incultation of values such as cultural values through History Curriculum Period	Lecture method followed by discussion
34	Inculcation of values such as national values through History Curriculum period	About Incultation of values such as national values through History Curriculum Period	Students will be able to know Incultation of values such as national values through History Curriculum period	Lecture method followed by discussion
35	Qualities of History Teacher , Professional development of History Teacher (Concept of professional development)	About concept of professional development of history teacher	Students will be able to know concept of of professional development history teacher	Lecture method followed by discussion with ppt

37	Qualities of History Teacher , Professional development of History Teacher (need of professional development)	About (need of professional development)	Students will be able to know(need of professional development	Lecture method followed by discussion with ppt
38	Qualities of History Teacher , Professional development of History Teacher (ways of professional development)	About ways of professional development	Students will be able to know ways of professional development	Lecture method followed by discussion with ppt
39	Harappa Civilization,	Explanation of Harappa Civilization	Students will be able to know Harappa Civilization	Discussion method followed by assignment
40	Ashoka- The Great,	Explanation of Ashoka- The Great	Students will be able to know Ashoka- The Great	Discussion method followed by assignment
41	The Golden age of Guptas	Explanation of The Golden age of Guptas	Students will be able to know The Golden age of Guptas	Discussion method followed by assignment
43	The First World War: Causes and its consequences	Explanation of The First World War: Causes and its consequences	Students will be able to know The First World War: Causes and its consequences	Discussion method followed by assignment
44	The Second World War: Causes and its consequences	Explanation of The Second World War: Causes and its consequences	Students will be able to know The Second World War: Causes and its consequences	Discussion method followed by assignment
45	setting up of UNO	Explanation of setting up of UNO	Students will be able to know setting up of UNO	Assignment
47	To arrange a visit to a historical place and write a report of the same	Students will visit themselves	Students will be able to know visit to a historical place and write a report of the same	Discussion method followed by trip

48	Class seminar on the contributions by any one eminent historian.	Ravinder Nath Tagore	Students will be able to know Ravinder Nath Tagore	Seminar
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Teaching of Health and Physical Education- I

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives:

- To enable student teachers to develop an understanding of aims, objectives and importance of teaching of Health and Physical Education and Develop an understanding of the concept of Health Education.
- To describe the relationship of Health and Physical Education with other subjects.
- To develop awareness regarding first aid.
- To develop an awareness regarding the importance of physical fitness in individual and social life.
- To understand the Importance of Health and Physical Education Infrastructure, Equipments and Text Book.
- To acquaint them for food elements of balanced diet and food and its functions.
- To develop awareness regarding posture.
- To make pupil teacher aware of eligibility conditions to become Health and physical education teacher.
- To make the teaching of Health and Physical Education more interesting and innovative.

Lect. No	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical tools
1	Health and physical education	Definitions , meaning	Learners will understand definitions , meaning of Health and physical education	Lecture method followed by discussion
2	Health and physical education	Scope	Learners will understand scope of Health and physical education	Lecture method followed by discussion
3	Health and physical education	Aims and objectives	Learners will understand aims and objectives of Health and physical education	Lecture method followed by discussion
4	Need and importance	Health and physical education programme in school curriculum	Understanding of different methods of school curriculum activities	Lecture method followed by discussion

5	Relationship	Health and physical education with general education	Learners will enlist the general education of physical education	Brain storming and discussion
6	Relationship	Health and physical education with sociology	Learners will enlist the sociology	Lecture method followed by inductive and deductive approach
7	Relationship	Health and physical education with psychology	Learners will enlist the psychology	Lecture method followed by inductive and deductive approach
8	Health and physical education teacher	Teacher's qualifications	Understanding of different courses of Health and physical education teacher	Lecture method followed by discussion
9	Health and physical education teacher	Teacher's qualities	Understanding of different qualities of Health and physical education teacher	Brain storming and discussion
10	Health and physical education teacher	Teacher's responsibilities	Learners will understand responsibilities of Health and physical education teacher	Lecture method followed by discussion
11	Health and physical education text book	Need and Importance of text book	Understanding of Need and Importance of text book	Brain storming and discussion
12	Health and physical education text book	Qualities of text book	Understanding of Qualities of text book	Lecture method followed by discussion
13	Health and physical education text book	Role of textbooks in teaching of physical education	Understanding of Role of textbooks in teaching of physical education	Lecture method followed by discussion

14	Health and physical education infrastructure	Room	Explain the institutes/schools buildings	Lecture method followed by PPT
15	Health and physical education infrastructure	Indoor play fields	Explain the institutes gymnasium halls and play fields	Lecture method followed by discussion
16	Health and physical education infrastructure	Outdoor play fields	Explain the institutes gymnasium halls and play fields	Lecture method followed by discussion
17	Health and physical education and equipments	Need and importance	Explain the Need and importance	Lecture method followed by discussion
18	Physical Fitness	Components of Physical Fitness	Learners will understand components	Brain storming and discussion
19	Physical Fitness	Factors effecting Physical Fitness	Understanding of different factors of physical education	Lecture method followed by discussion
20	Health Education	Concept of Health Education	Learners will understand Concept of Health Education	Lecture method followed by discussion
21	Health Education	Aims and Objectives of Health Education	Learners will understand Aims and Objectives of Health Education	Seminar
22	Balanced Diet	Meaning	Understanding meaning of Balanced Diet	Seminar
23	Balanced Diet	Components of Balanced Diet	Understanding of components of Balanced Diet	Seminar
24	Balanced Diet	Functions of Food	Understanding of different functions of food	Lecture method followed by chart

25	Posture	Importance of good Posture	Understanding of different body positions	Lecture method and Demonstration method
26	Posture	Common Postural Defects	Understanding of Common Postural Defects	Lecture method followed by discussion
27	Posture	Remedial Exercises	Understanding of Remedial Exercises	Lecture method followed by discussion
28	Warming up and Cooling Down	Meaning	Understanding of Meaning of Warming up and Cooling Down	Brain storming and discussion
29	Warming up and Cooling Down	Importance of Warming up and Cooling Down	Understanding of Importance of Warming up and Cooling Down	Lecture method followed by discussion
30	First Aid	Meaning	Understanding of Meaning of First Aid	Assignment
31	First Aid	Need and Principles	Understanding of Need and Principles	Assignment
32	Recreation Programme	Significance of Recreation Programmes in School	Understanding of Significance of Recreation Programmes in School	Lecture method followed by discussion
33	Rules and Regulations	Badminton	Understanding of Badminton's Rules and measurement of ground	Demonstration method
34	Rules and Regulations	Volleyball	Understanding of Volleyball's Rules and measurement of ground	Demonstration method

Practical: Sports meet, Track Events

TEACHING OF POLITICAL SCIENCE- I

Total Marks= 50

External= 40

Internal= 10

Objectives:

- To acquire a conceptual understanding of the nature of Political Science
- Plan lessons, Units based on different approaches to facilitate learning of Social Sciences.
- To enable student teachers examine the prevailing pedagogical practices in classrooms
- Critically and to reflect on the desired changes.
- To acquire basic knowledge and skills to analyze and transact the Social Sciences.
- To sensitize and equip student teachers to handle political issues.
- Realize her/his role as facilitator in enhancing Social Sciences learning in the real classroom situation.
- Explore the use and relevance of different learning resources and materials in learning different units in Social Sciences.
- Develop learning materials on selected units to facilitate learning in Political Science.

Lect. No.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Historical development of Political Science/Civics as a school subject Science.	History of political science	Learners will know about the Historical development of Political Science/Civics as a school subject Science.	Lecture cum Discussion Method
2.	Nature, scope of Political Science.	Nature and scope	Learners will know about the nature and scope of political science	Lecture cum Discussion Method
3.	Importance of Political Science.	Importance	Learners will know about the importance of political science	Lecture cum Discussion Method
4.	Integration of Political Science with Social Science, languages, Mathematics	Relationship with social sciences, language, mathematics	Learners will know about the relationship of political science with social science, language, mathematics.	Lecture with situational examples
5.	Integration of Political Science with, Art and Science.	Relationship with art and science	Learners will know about the relationship of political science with art and science	Lecture cum Discussion Method
6.	Aims and Objective of teaching Political Science at Secondary (9-10 class) Level.	Aims and Objective	Learners will know about the Aims and Objective of teaching Political Science at Secondary (9-10 class) Level.	Brain storming

7.	Aims and Objective of teaching Political Science at Secondary (9-10 class) Level.	Aims and Objective	Learners will know about the Aims and Objective of teaching Political Science at Secondary (9-10 class) Level.	Lecture cum Discussion Method
8.	Methods of Teaching: Lecture,	Definition, Meaning, Characteristics, merits and limitations	Learners will be able to explain lecture method	Lecture cum Discussion Method
9.	Methods of Teaching: Discussion Method,	Definition, Meaning, Characteristics, merits and limitations	Learners will be able to explain Discussion method	Lecture cum Discussion Method
10.	Methods of Teaching: Problem Solving Method,	Definition, Meaning, Characteristics, merits and limitations	Learners will know about the problem solving method	Lecture cum Discussion Method
11.	Methods of Teaching: Project Method	Definition, Meaning, Characteristics, merits and limitations	Learners will be able to explain project method	Lecture cum Discussion Method
12.	Methods of Teaching: Source Method., Cooperative learning Method.	Definition, Meaning, Characteristics, merits and limitations	Learners will be able to explain source method	Lecture cum Discussion Method
13.	Methods of Teaching: Cooperative learning Method.	Definition, Meaning, Characteristics, merits and limitations	Learners will be able to explain Cooperative learning method	Lecture cum Discussion Method
14.	Devices and Techniques of Teaching: Supervised Study,	Definition, Meaning, Characteristics, merits and limitations	Learners will know about the concept of devices and techniques and supervised study.	Lecture cum Discussion Method
15.	Devices and Techniques of Teaching: Jurisprudential Enquiry,	Definition, Meaning, Characteristics, merits and limitations	Learners will know about the concept of jurisprudential enquiry.	Lecture cum Discussion Method Blended Teaching (Use of ICT)

16.	Devices and Techniques of Teaching: Dramatization, Description	Definition, Meaning, Characteristics, merits and limitations	Learners will know about the concept of dramatization and description	Lecture cum Discussion Method Blended Teaching (Use of ICT)
17.	Devices and Techniques of Teaching: Brain-Storming and Field Trip.	Definition, Meaning, Characteristics, merits and limitations	Learners will know about the concept of brain storming and field trip	Lecture cum Discussion Method
18.	Critical Analysis of Political Science/Civics curriculum at secondary stage	Critical Analysis of Political Science/Civics curriculum at secondary stage	Learners will be able to understand, analyze and reflect the curriculum at secondary stage.	Discussion, brain storming
19.	curriculum at secondary stage-features, issues and recommendations of NCF 2005.	Critical Analysis of Political Science/Civics curriculum at secondary stage	Learners will be able to understand, analyze and reflect the curriculum at secondary stage.	Discussion, brain storming
20.	Development of social values, Critical thinking, National values and social skills through Political Science Curriculum.	Political Science Curriculum.	Learners will be able to understand the concept of national values and social skills	Lecture cum Discussion method
21.	Development of social values, Critical thinking, National values and social skills through Political Science Curriculum.	Political Science Curriculum.characteristics	Learners will be able to understand the concept of national values and social skills	Discussion, brain storming.

22.	Qualities of Political Science Teacher, Professional development of Political Science Teacher	Qualities of Political Science Teacher	Learners will know about the qualities of political science teacher	Seminar
23.	Qualities of Political Science (Concept, need and ways of professional development, role of different Agencies).	role of different Agencies).	Learners will know about the role of different agencies in teaching profession	Seminar
24.	SAARC-formation	Introduction, contribution.	Learners will know about the SAARC	Assignment
25.	Pressure groups and role of democracy.	Pressure groups and role of democracy.	Learners will know about the pressure groups and role of democracy	Assignment
26.	Indian constitution, preamble and structure.	Indian constitution, preamble and structure.	Learners will know about the Indian constitution and structure	Assignment

TEACHING OF SOCIAL STUDIES-I

Total Marks= 50

External= 40

Internal= 10

Objectives of teaching Social Studies:

- To acquire a conceptual understanding of the nature of Social Studies
- Plan lessons, Units based on different approaches to facilitate learning of Social Sciences.
- To enable student teachers examine the prevailing pedagogical practices in classrooms critically and to reflect on the desired changes
- To acquire basic knowledge and skills to analyze and transact the Social Sciences
- To sensitize and equip student teachers to handle social issues
- Realize her/his role as facilitator in enhancing Social Sciences learning in the real classroom situation.
- Explore the use and relevance of different learning resources and materials in learning different units in Social Sciences.
- Develop learning materials on selected units to facilitate learning in Social Sciences.
- To understand different ways of assessing learner performance and providing additional support to the learners
- Reflect upon her/his own experiential knowledge in the process of becoming a Social Science teacher.

Lect. No.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Historical development of social studies as a school subject Science.	History of Social studies as subject	Learners will know about the Historical development of Social Studies/Civics as a school subject Science.	Lecture cum Discussion Method followed by ICT
2.	Nature, scope of social studies.	Nature and scope	Learners will know about the nature and scope of Social Studies	Lecture cum Discussion Method
3.	Importance of Social Studies.	Importance	Learners will know about the importance of Social Studies	Lecture cum Discussion Method
4.	Integration of Social Studies with Social Science, languages, Mathematics	Relationship with social sciences, language, mathematics	Learners will know about the relationship of Social Studies with social science, language, mathematics.	Lecture with situational examples

5.	Integration of Social Studies with, Art and Science.	Relationship with art and science	Learners will know about the relationship of Social Studies with art and science	Lecture cum Discussion Method
6.	Aims and Objective of teaching Social Studies at Secondary (9-10 class) Level.	Difference between aims and objectives	Learners will know about the Aims and Objective of teaching Social Studies at Secondary (9-10 class) Level.	Lecture cum Discussion Method
7.	Aims and Objective of teaching Social Studies at Secondary (9-10 class) Level.	Aims and Objective of teaching Social Studies	Learners will know about the Aims and Objective of teaching Social Studies at Secondary (9-10 class) Level.	Brain Storming Method
8.	Methods of Teaching: Lecture,	Definition, Meaning, Characteristics.	Learners will be able to explain lecture method	Lecture cum Discussion Method
9.	Methods of Teaching: Discussion Method,	Definition, Meaning, Characteristics, Merits And Limitations	Learners will be able to explain Discussion method	Lecture cum Discussion Method
10.	Methods of Teaching: Problem Solving Method,	Definition, Meaning, Characteristics, Merits And Limitations	Learners will know about the problem solving method	Lecture cum Discussion Method
11.	Methods of Teaching: Project Method	Definition, Meaning, Characteristics, Merits And Limitations	Learners will be able to explain project method	Lecture cum Discussion Method
12.	Methods of Teaching: Source Method.	Definition, Meaning, Characteristics, Merits And Limitations	Learners will be able to explain source method	Lecture cum Discussion Method
13.	Methods of Teaching: Cooperative learning Method.	Definition, Meaning, Characteristics, Merits And Limitations	Learners will be able to explain Cooperative learning method	Lecture cum Discussion Method

14.	Devices and Techniques of Teaching: Supervised Study,	Definition, Meaning, Characteristics, Merits And Limitations	Learners will know about the concept of devices and techniques and supervised study.	Lecture cum Discussion Method
15.	Devices and Techniques of Teaching: Jurisprudential Enquiry,	Definition, Meaning, Characteristics, Merits And Limitations	Learners will know about the concept of jurisprudential enquiry.	Lecture cum Discussion Method followed by ICT
16.	Devices and Techniques of Teaching: Dramatization, Description	Definition, Meaning, Characteristics, Merits And Limitations	Learners will know about the concept of dramatization and description	Lecture cum Discussion Method followed by ICT
17.	Devices and Techniques of Teaching: Brain-Storming and Field Trip.	Definition, Meaning, Characteristics, Merits And Limitations	Learners will know about the concept of brain storming and field trip	Lecture cum Discussion Method
18.	Critical Analysis of Social Studies/Civics curriculum at secondary stage	Critical analysis of curriculum	Learners will able to understand, analyze and reflect the curriculum at secondary stage.	Discussion, brain storming
19.	curriculum at secondary stage- features, issues and recommendations of NCF 2005.	Recommendations of NCF 2005	Learners will able to understand, analyze and reflect the curriculum at secondary stage.	Lecture cum discussion method
20.	Development of social values, Critical thinking, National values and social skills through Social Studies Curriculum.	Explanation, characteristics	Learners will able to understand the concept of national values and social skills	Lecture cum Discussion method

21.	Development of social values, Critical thinking, National values and social skills through Social Studies Curriculum.	Explanation, characteristics	Learners will be able to understand the concept of national values and social skills	Discussion, brainstorming.
22.	Qualities of Social Studies Teacher, Professional development of Social Studies Teacher	Qualities of Social Studies Teacher	Learners will know about the qualities of Social Studies teacher	Seminar
23.	Qualities of Social Studies (Concept, need and ways of professional development, role of different Agencies ICSSR, NIRD, NGRI, NRSA).	role of different Agencies ICSSR, NIRD, NGRI, NRSA).	Learners will know about the role of different agencies in teaching profession	Seminar
24.	Earth in the Solar system, What, where and how	Earth in the Solar system, What, where and how	Learners will know about the Earth	Assignment
25.	Equality in Indian Democracy	Equality in Indian Democracy	Learners will know about the democracy	Assignment
26.	India after independence.	India after independence.	Learners will respond and reflect according to their understanding about India after independence	Assignment

TEACHING OF MATHEMATICS-I

Total Marks:-50

External assessment:-40

Internal Assessment:-10

Objectives:

After completion of course the students will be able to:

- Develop insight into the meaning, nature, scope and objective of mathematics education;
- Appreciate the role of mathematics in day-to-day life;
- Learn important mathematics: mathematics is more than formulas and mechanical procedures;
- Channelize, evaluate, explain and reconstruct their thinking;
- See mathematics as something to talk about, to communicate through, to discuss among themselves, to work together.
- Appreciate the importance of mathematics laboratory in learning mathematics;
- Construct appropriate assessment tools for evaluating mathematics learning;
- Develop ability to use the concepts for life skills;
- Stimulate curiosity, creativity and inventiveness in mathematics;
- Develop competencies for teaching-learning mathematics through various measures

Lecture No.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1.	Mathematics	Meaning	To introduce the student teachers with the meaning of mathematics.	Lecture method
2.	Mathematics	Importance	To enable the student teachers understand the meaning of mathematics.	Lecture cum discussion method
3.	Building blocks of Mathematics- Axioms	Definition and meaning	To enable the student teachers aware the building blocks of mathematics-axioms.	Lecture method followed by discussion method
4.	Building blocks of Mathematics Propositions	Definition and meaning	To enable the student teachers aware the building blocks of mathematics-propositions.	Lecture method followed by ICT
5.	Building blocks of Mathematics Postulates	Definition and meaning	To enable the student teachers aware the building blocks of mathematics-postulates.	Lecture method followed by discussion method
6.	Building blocks of Mathematics Quantifiers etc.;	Definition and meaning	To enable the student teachers aware the building blocks of mathematics-quantifiers.	Lecture method followed by ICT
7.	Mathematics	Nature: Truth, Logic, Reasoning	To make them clear about the nature of mathematical truth, logic, reasoning.	Lecture method

8.	Mathematics	Deductive Nature	To enable the student teachers to understand the deductive nature of mathematics	Lecture cum discussion method
9.	Mathematics	Problem Solving Nature	To enable the student teachers to understand the problem-solving nature of mathematics	Lecture method followed by discussion method
10.	Mathematics	Scope	To enable them to know about the scope of mathematics.	Lecture method followed by discussion method
11.	A mathematical theorem and its Invariants-converse, inverse	Explanation	To acquaint the students with a mathematical theorem and its invariants-converse, inverse.	Lecture method followed by discussion method
12.	Contrapositive proofs and types of proofs.	Definitions and Explanation	To acquaint the students with the contrapositive proofs and types of proofs.	Lecture method followed by discussion method
13.	Proof and verification.	Definitions, Explanation and Difference	To enable them to know about the difference between proof and verification.	Lecture method
14.	Aesthetics by Birkhoff.	Definitions and Explanation	To enable them to know the Aesthetics by Birkhoff.	Lecture method followed by ICT
15.	History of mathematics with special emphasis on teaching of mathematics	Explanation	To introduce them about the history and importance of Mathematics.	Lecture cum discussion method
16.	History of mathematics with special emphasis on teaching of mathematics	Explanation	To enable them to know the basic development of mathematics in past.	Lecture cum discussion method
17.	History of mathematics with special emphasis on teaching of mathematics	Explanation	To enable them to understand the role of history of mathematics in present time.	Lecture cum discussion method
18.	contribution of mathematicians-Aryabhatta	Explanation	To acquaint the students with the contribution of mathematician Aryabhatta.	Lecture cum discussion method
19.	contribution of mathematicians-	Explanation	To acquaint the students with the contribution of	Lecture cum discussion method

	Ramanjunan		mathematician Ramanjunan.	
20.	contribution of mathematicians- Pythagoras	Explanation	To acquaint the students with the contribution of mathematician pythagoras.	Lecture cum discussion method
21.	contribution of mathematicians- Euclid	Explanation	To acquaint the students with the contribution of mathematician Euclid.	Lecture cum discussion method
22.	Need for establishing general objectives for teaching mathematics	Definitions, meaning and explanation	To enable them to understand the need of general objectives for teaching mathematics.	Lecture cum discussion method
23.	Need for establishing general objectives for teaching mathematics	Definitions, meaning and explanation	To enable them to understand the need of general objectives for teaching mathematics	Lecture cum discussion method
24.	Need for establishing general objectives for teaching mathematics	Definitions, meaning and explanation	To enable them to understand the need of general objectives for teaching mathematics	Lecture cum discussion method
25.	Need for establishing general objectives for teaching mathematics	Definitions, meaning and explanation	To enable them to understand the need of general objectives for teaching mathematics	Lecture method followed by ICT
26.	Study of the aims and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Definitions, meaning and explanation	To enable the student teachers to study the aim and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Lecture method followed by discussion method
27.	Study of the aims and general objectives of teaching mathematics vis-à-vis the objectives	Definitions, meaning and explanation	To develop the skill of formulation objectives in behavioural term	Lecture method followed by ICT

	of school education.			
28.	Study of the aims and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Definitions, meaning and explanation	To make the student teachers understand the aim and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Lecture method
29.	Study of the aims and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Definitions, meaning and explanation	To make the student teachers understand the aim and general objectives of teaching mathematics vis-à-vis the objectives of school education.	Lecture method followed by discussion method
30.	Writing specific objectives and teaching points of various content areas in mathematical Algebra	Definitions, meaning and explanation	To develop the skill of formulation objectives in behavioural term in mathematical Algebra.	Lecture brain storming method
31.	Writing specific objectives and teaching points of various content areas in mathematical Geometry	Definitions, meaning and explanation	To develop the skill of formulation objectives in behavioural term in mathematical Geometry.	Lecture method followed by discussion method
32.	Writing specific objectives and teaching points of various content areas in mathematical Trigonometry	Definitions, meaning and explanation	To develop the skill of formulation objectives in behavioural term in mathematical Trigonometry.	Lecture method followed by discussion method
33.	Nature of concepts; concept formation	Definitions, meaning and explanation	To enable the student teachers to understand	Lecture method followed by discussion

			the nature of concept formation.	method
34.	Nature of concepts; concept assimilation	Definitions, meaning and explanation	To enable the student teachers to understand the nature of concept assimilation.	Lecture cum discussion method
35.	Concept Attainment Model.	Definitions, meaning and explanation	To develop the skill of concept formation in student teachers to understand the effects of concept attainment model.	Lecture cum discussion method
36.	Concept Attainment Model.	Definitions, meaning and explanation	To enable the student teachers to apply the concept attainment model in real classroom teaching.	Lecture method followed by discussion method
37.	Concept Attainment Model.	Definitions, meaning and explanation	To enable the student teacher to know about the criterion or method.	Lecture cum discussion method
38.	Strategies for mathematical concepts- Activity based Method.	Definitions, meaning and explanation	To acquaint the student teacher with strategy activity based method.	Demonstration method and comparison method
39.	Strategies for mathematical concepts- Inductive- Deductive Method.	Definitions, meaning and explanation	To acquaint the student teacher with strategy inductive-deductive method.	Demonstration method and comparison method
40.	Strategies for mathematical concepts- Problem Solving Method.	Definitions, meaning and explanation	To acquaint the student teacher with strategy problem solving method.	Demonstration method and comparison method
41.	Strategies for mathematical concepts- Project Method.	Definitions, meaning and explanation	To acquaint the student teacher with strategy project method.	Demonstration method and comparison method
42.	Cooperative Learning ensuring equal partnership of learners with	Definitions, meaning and explanation	To enable them to prepare for cooperative learning.	Lecture cum discussion method

	special needs			
43.	Cooperative Learning ensuring equal partnership of learners with special needs	Definitions, meaning and explanation	To enable them to prepare for cooperative learning.	Lecture cum discussion method
44.	Cooperative Learning ensuring equal partnership of learners with special needs	Definitions, meaning and explanation	To enable them to prepare for cooperative learning by ensuring equal partnership of learner with special needs.	Lecture cum discussion method
45.	Pedagogical analysis of topics of Algebra in mathematics	Definitions, meaning and explanation	To enable them to analysis the methodology of teaching Algebra in Mathematics.	Lecture method followed by discussion method
46.	Pedagogical analysis of topics of measurement in mathematics	Definitions, meaning and explanation	To enable them to analysis the methodology of teaching measurement in Mathematics.	Lecture method followed by discussion method
47.	Pedagogical analysis of Calculus topics in mathematics	Definitions, meaning and explanation	To enable them to analysis the methodology of teaching Calculus in Mathematics.	Lecture method followed by discussion method
48.	Pedagogical analysis of topics of trigonometry in mathematics	Definitions, meaning and explanation	To enable them to analysis the methodology of teaching trigonometry in Mathematics.	Lecture method followed by discussion method
49.	Pedagogical analysis of topics of Arithmetic and Geometry in mathematics	Definitions, meaning and explanation	To enable them to analysis the methodology of teaching Arithmetics in Mathematics.	Lecture method followed by discussion method
50.	Difference between teaching of Mathematics and teaching of Science	Definitions, meaning and explanation	To acquaint the student teacher with difference between teaching of	Illustration method & discussion method

			Mathematics and teaching of Science.	
51.	Unit planning	Definitions, meaning and explanation	To acquaint the student teacher with meaning of Unit planning.	Lecture method followed by discussion method
52.	Unit planning	Definitions, meaning and explanation	To acquaint the student teacher with meaning of Unit planning.	Lecture method followed by discussion method
53.	Unit planning	Characteristics	To enable them to draw the best characteristics.	Lecture method followed by discussion method
54.	Lesson Planning	Definitions, meaning and explanation	To acquaint the student teacher with meaning of Lesson planning.	Lecture method followed by discussion method
55.	Lesson Planning	Need and Importance	To acquaint the student teacher with need & importance of Lesson planning.	Lecture method followed by discussion method
56.	Lesson Planning	steps for preparation and construction of lesson plans	To develop the skill of writing lesson plan.	Demonstration method
57.	Lesson Planning	steps for preparation and construction of lesson plans- Objective based lesson plans	To develop the skill of writing Objective-based lesson plan.	Demonstration method
58.	Lesson Planning-	steps for preparation and construction of lesson plans- ICT based lesson plans	To develop the skill of writing ICT-based lesson plan.	Demonstration method
59.	Lesson Planning	steps for preparation and construction of lesson plans- model based lesson plans	To develop the skill of writing Model-based lesson plan.	Demonstration method
60.	Lesson Planning	steps for preparation and construction of lesson plans- Diary format lesson plans	To develop the skill of writing Diary-based lesson plan.	Demonstration method

61.	Instructional aid and its types	Definitions, meaning and explanation	To acquaint the student teacher with different kind of Instructional aid.	Assignment
62.	Use of ICT in teaching of mathematics.	Definitions, meaning and explanation	To aware the student teacher about Use of ICT in teaching of mathematics.	Seminar

TEACHING OF SCIENCE-I

Total Marks: 50

Theory: 40

Internal Assessment: 10

OBJECTIVES

After completion of the course, the student teachers will be able to

- Appreciate science as dynamic and expanding body of knowledge.
- Identify and formulate aims and objectives of science teaching.

- Use various methods and approaches of teaching science.
- Construct blue print of a question paper.
- Analyse the content pedagogically

Lectures No.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Meaning, nature and scope of science.	Meaning, Explanation, importance.	Learners will know about the concept and scope of Science	Lecture cum Discussion Method
2.	Impact of science and technology on society.	Impact and importance of Science and technology	Learners will know about importance of science and technology in the modern life	Lecture cum Discussion Method with examples
3.	Aims and objectives of Teaching Science	Difference, usability and formulation of aims and objectives of Science.	Learners will understand about Aims and objectives of Teaching Science	Lecture cum Discussion Method with examples
4.	Blooms' Taxonomy of Educational objectives (revised form also),	Importance and usability	Learners will know about Importance and usability of Bloom taxonomy in Science	Lecture cum Discussion Method with examples
5.	Blooms' Taxonomy of Educational objectives (revised form also),	Importance and usability	Learners will know about Importance and usability of Bloom taxonomy in Science	Lecture cum Discussion Method with examples
6.	Instructional objectives	Meaning, Explanation, importance.	Learners will be able to understand and form Instructional objectives.	Lecture cum Discussion Method with examples
7.	Instructional objectives of teaching science at	Formulation of Instructional Objectives in	Learners will know how to form Instructional objectives of teaching	Lecture cum Discussion Method

	Secondary and Senior Secondary level.	science	science at Secondary and Senior Secondary level.	
8.	Formulation of specific objectives in behavioral terms.	Formulation of specific objectives in behavioral terms.	Learners will be able to formulate specific objectives in behavioral terms.	Lecture cum Discussion Method
9.	Magers approach and RCEM Approach	Meaning, and Explanation of Magers approach and RCEM Approach	Learners will understand Magers approach and RCEM Approach	Lecture Method
10.	Methods of Teaching Science- Problem solving method.	Meaning and Explanation: Methods of Teaching Science- Problem solving method.	Learners will able to understand and use teaching methods.	Lecture cum Discussion Method
11.	Lecture cum demonstration Method.	Explanation of Lecture cum demonstration Method with example		
12.	Project method	Explanation of Project method with example		
13.	Heuristic method.	Explanation of Heuristic method with example		
14.	Approaches of Teaching Science: Inductive and	Explanation of	Learners will be able to	Lecture cum

	Deductive approach.	approaches with example	understand and use approaches in teaching	Discussion Method
15.	Approaches of Teaching Science: Cooperative learning, inquiry based approach.			
16.	Scientific Attitude and its development.	Meaning, Explanation and importance	Learners will know the meaning, importance and development of Scientific attitude	Lecture cum Discussion Method
17.	Evaluation	Concept and need	Learners will know the meaning, importance and usability of evaluation	Lecture cum Discussion Method
18.	Evaluation	Types and process.		
19.	Preparation of blue print.	Instructional Media: Meaning, Importance, Classification.	Learners will know about instructional media, their importance and classification.	Lecture cum Discussion Method
20.	Pedagogical analysis	Meaning and importance	Learners will know about Pedagogical analysis	Lecture cum Discussion Method
21.	Energy and its types.	Pedagogical analysis	Learners will be able to analyze various topics pedagogically	Lecture cum Discussion Method
22.	Newton's laws of Motion.			
23.	Acid and Bases.			
24.	Chemical Bonding.			
25.	Circulatory system.			
26.	Food chain and food web.			

27.	Metals and Non-Metals –Physical and Chemical properties.	Seminar cum Discussion Method		
28.	Force and its types.	Seminar cum Discussion Method		
29.	Micro-organisms- Bacteria and Virus.	Seminar cum Discussion Method		
30.	Biogeochemical Cycles- Nitrogen Cycle.	Seminar cum Discussion Method		
31.	Water Cycle	Seminar cum Discussion Method		