

C-9
LANGUAGE ACROSS THE CURRICULUM

Total Marks:-50
External assessment:-30
Internal Assessment:-20

Objectives:-

- To promote an understanding of language characteristics of learners, language usage, socio-cultural aspects of language learning, language as a process and the functional use of language across the curriculum.

Lecture No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1.	Role of Language as a means of construction of reality	About Role of language	Students will be able to know Role of Language as a means of construction of reality	Lecture method followed by discussion with ppt
2.	About Role of language and gaining experiences	About Role of Language as a means of construction of reality and gaining experiences	Students will be able to know Role of Language as a means of construction of reality and gaining experiences	Lecture method followed by discussion with ppt
3.	Meaning of Concept formation	about Meaning of Concept formation	Students will be able to know Meaning of Concept formation	Lecture method followed by discussion
4.	Process of Concept formation	about Process of Concept formation	Students will be able to know about Process of Concept formation	Lecture method followed by discussion
5.	Development of language	How to developed language	Students will be able to know Development of language	Lecture method followed by discussion
6.	Development of linguistic skills	Meaning and definitions of linguistic skills	Students will be able to know Meaning and definitions of linguistic skills	Lecture method followed by discussion
7.	Development of	importance of	Students will be able to	Lecture method followed by

	linguistic skills	linguistic skills	know importance of linguistic skills	discussion
8.	Development of linguistic skills	description of linguistic skills	Students will be able to know description of linguistic skills	Lecture method followed by discussion
9.	Multilingualism : Concept	Concept and meaning of multilingualism	Students will be able to know Concept and meaning of multilingualism	Lecture method followed by discussion
10.	Multilingualism techniques	techniques of multilingualism	Students will be able to know techniques of multilingualism	Lecture method followed by discussion
11.	Role of home in classroom instructions	Role of home in classroom instructions	Students will be able to know Role of home in classroom instructions	Lecture method followed by discussion
12.	Role of language in classroom instructions	Role of language in classroom instructions	Students will be able to know Role of language in classroom instructions	Discussion method followed by assignment
13.	Listening	Meaning and definitions of Listening	Students will be able to know Listening	Discussion method followed by assignment
14.	Oratory	Meaning and definitions oratory	Students will be able to know oratory	Discussion method followed by assignment
15.	reading	Meaning and definitions of reading	Students will be able to know reading	Discussion method followed by assignment
16.	Writing	Meaning and definitions of writing	Students will be able to know writing	Discussion method followed by assignment
17.	Special study of reading: cognitive basis of reading	cognitive basis of reading	Students will be able to know cognitive basis of reading	Lecture method followed by discussion
18.	Special study of reading: analysis of the tasks involved in reading	cognitive basis of analysis of the tasks involved in reading	Students will be able to know cognitive basis of analysis of the tasks involved in reading	Lecture method followed by discussion

19.	Special study of reading:motivation to read	motivation to read	Students will be able to know motivation to read	Lecture method followed by discussion
20.	Special study of reading: stages of learning to read	stages of learning to read,	Students will be able to know stages of learning to read	Lecture method followed by discussion
21.	Special study of reading: reading ability	reading ability	Students will be able to know reading ability	Lecture method followed by discussion
22.	Discussion as tools of language learning	tools of language learning	Students will be able to know tools of language learning	Lecture method followed by discussion
23.	questioning as tools of language learning	About questioning	Students will be able to know About questioning	Lecture method followed by discussion

Practical's/Projects:-

1. To elaborate their theoretical understanding, students should undertake a project involving listening to children's reading, miscue analysis, developing a reading test and Administering it.
2. Analysis of text books languages and other materials used in different subjects from the point of view of registers and styles used in them.
3. Project on Language environment of school.

LEARNING AND TEACHING**Total Marks:-100****External assessment:-80****Internal Assessment:-20****Objectives:**

- To become aware of different contexts of learning and situate schools as a special environment for learning;
- To reflect on their own implicit understanding of the nature and kinds of learning;
- Gain an understanding of different theoretical perspectives on learning with a focus on cognitive views of learning as well as social– constructivist theories;
- Explore the possibilities of an understanding of processes in human cognition and meaning–making them as basis for designing learning environments and experiences at school;
- Gain insight and reflect on the concept of teaching and the status of teaching as a profession;
- Use various methods of teaching for transacting the curriculums in school;
- Prepare teachers for reflective teaching.

Lect.no.	Topic	Lecture description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1.	Human development	Meaning and principles of human development	Learners will understand meaning, definitions and objectives.	Lecture method followed by discussion.
2.	Human development	principles of human development	Learners will understand objectives.	Lecture method followed by discussion.
3.	Human development	Relationship between child development and learning	Learners will understand Relationship between child development and learning	Group discussion.
4.	Cognition	Meaning of 'cognition' and its role in learning.	Understanding of Meaning of 'cognition' and its role in learning.	Brain storming and discussion.
5.	Cognition	Role in learning.	Understanding of role in learning.	Lecture method followed by discussion.
6.	Cognition	Socio-cultural factors influencing cognition and	Understanding of Socio-cultural factors influencing	Brain storming and discussion.

		learning	cognition and learning.	
7.	Tutorial			Discussion/test.
8.	Cognition	Facilitating holistic development (for self and society)	Understanding of Facilitating holistic development (for self and society.	Group discussion.
9.	Cognition	Facilitating holistic development (for self and society).	Understanding of Facilitating holistic development (for self and society.	Group discussion.
10.	Role of teacher in teaching-learning situations.	Introduction, Teacher as a transmitter of knowledge.	Learners will know about Teacher as a transmitter of knowledge.	Group discussion
11.	Role of teacher in teaching-learning situations.	Teacher as a model.	Learners will understand about Teacher as a model.	Lecture method followed by discussion.
12.	Role of teacher in teaching-learning situations.	Teacher as a facilitator,	Understanding of Teacher as a facilitator	Brain storming and discussion.
13.	Role of teacher in teaching-learning situations.	Teacher as a Negotiator.	Learners will understand Teacher as a Negotiator	Brain storming and discussion
14.	Role of teacher in teaching-learning situations.	Teacher as a Co-learner	Learners will understand Teacher as a Co-learner	Brain storming and discussion
15.	Implicit knowledge and beliefs about learning	Meaning, definition.	Understanding of Meaning, definition.	Project method.
16.	Implicit knowledge and beliefs about learning	Nature and characteristics.	Understanding of Nature and characteristics.	Project method.
17.	Implicit knowledge and beliefs about learning	Implicit knowledge and beliefs.	Understanding of Implicit knowledge and beliefs.	Project method.

18.	Learning Theories and human learning.	Skinner.	Learners will know about theory.	Lecture method followed by discussion
19.	Learning Theories and human learning.	Piaget	Learners will know about theory.	Lecture method followed by discussion/PowerPoint presentation.
20.	Learning Theories and human learning.	Sternberg	Learners will know about theory.	Lecture method followed by discussion/PowerPoint presentation
21.	Learning Theories and human learning.	Rogers.	Learners will know about theory.	Lecture method followed by discussion/PowerPoint presentation
22.	Learning Theories and human learning.	Vygotsky	Learners will know about theory.	Lecture method followed by discussion/PowerPoint presentation
23.	Relevance and applicability of various theories of learning.	Relevance and applicability of various theories of learning.	Learners will understand Relevance and applicability of various theories of learning.	Lecture method followed by discussion/PowerPoint presentation
24.	Relevance and applicability of various theories of learning	Thorndike's trial and error learning.	Learners will understand Thorndike's trial and error learning.	Lecture method followed by discussion/PowerPoint presentation.
25.	Relevance and applicability of various theories of learning.	Insight theory of learning.	Learners will understand Insight theory of learning.	Lecture method followed by discussion/PowerPoint presentation.
26.	Concept of Profession.	Concept of Profession; Teaching as a profession,	Learners will understand Concept of Profession; Teaching as a profession.	Lecture method followed by discussion.
27.	Concept of Profession.	Professional ethics for teachers	Learners will understand Professional ethics for teachers	Lecture method followed by discussion

28.	Concept and nature of teaching	Concept and nature of teaching.	Learners will understand Concept and nature of teaching.	Lecture method followed by discussion
29.	Concept and nature of teaching	Basic teaching Model.	Learners will know about Basic teaching Model.	Lecture cum discussion method.
30.	Reflective teaching	Concept and strategies for making teachers reflective practitioners.	Understanding of concept and strategies for making teachers reflective practitioners.	Brain storming and discussion.
31.	Models of Teaching.	Concept Attainment model	Understanding of Concept Attainment model.	Brain storming and discussion.
32.	Models of Teaching	Inquiry Training model.	Learners will know about Inquiry Training model.	Brain storming and discussion
33.	Models of Teaching	Inductive thinking model.	Learners will able to understand Inductive thinking model.	Brain storming and discussion
34.	Concept of pedagogy and andragogy	Concept of pedagogy.	Understanding of Concept of pedagogy.	Project method.
35.	Concept of pedagogy and andragogy.	Concept of andragogy.	Learners will know about Concept of andragogy.	Project method.
36.	Principles and techniques of andragogy.	Principles of andragogy.	Understanding of Principles of andragogy.	Lecture method followed by discussion.
37.	Principles and techniques of andragogy.	Techniques of andragogy.	Understanding of Techniques of andragogy.	Lecture method followed by discussion.
38.	Simulated Teaching	Concept and procedure.	Learners will understand Concept and procedure of Simulated Teaching.	Lecture method followed by discussion.
39.	Micro Teaching.	Concept and advantages.	Learners will know about Concept and advantages.	Group discussion.
40.	Micro Teaching	Merits and demerits.	Learners will know about Merits and demerits.	Group discussion.

41.	Micro Teaching	Skill of probing questions	Learners will able to understand Skill of probing questions.	Demonstration method.
42.	Micro Teaching	Skill of reinforcement.	Learners will able to understand Skill of reinforcement.	Demonstration method.
43.	Micro Teaching	Skill of stimulus variation	Learners will know about Skill of stimulus variation.	Demonstration method.
44.	Micro Teaching	Skill of explanation.	Learners will know about Skill of explanation.	Demonstration method.
45.	Tutorial			Discussion/test.
46.	Micro Teaching	Skill of introduction	Learners will understand Skill of introduction.	Demonstration method.
47.	Micro Teaching	Skill of classroom management.	Learners will know about Skill of classroom management.	Demonstration method.
48.	Micro Teaching	Skill of questioning.	Learners will able to understand Skill of questioning	Demonstration method.
49.	Micro Teaching	Skill of black board writing. .	Learners will able to understand Skill of black board writing.	Demonstration method.
50.	Case Analysis	Introduction, Effective teacher and teaching effectiveness.	Learners will able to understand Introduction, Effective teacher and teaching effectiveness.	Brain storming and discussion.
51.	Case Analysis	Measures to identify effective teachers.	Learners will know about Measures to identify effective teachers.	Brain storming and discussion.
52.	Case Analysis	Case analysis/ study of the behavior and teaching of effective teachers.	Learners will know about Case analysis/ study of the behavior and teaching of effective teachers.	Brain storming and discussion.
53.	Implicit knowledge			Assignment

	and beliefs about learning (demystifying misconceptions).		
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Sessional Work:-

- a) Analysis of learning situations through case study, presentation before a group followed by discussion.
- b) Preparation of a plan based on any model of teaching for teaching any topic/concept included in the curriculum.

ASSESSMENT FOR LEARNING

Total Marks:-100

External assessment:-80

Internal Assessment:-20

OBJECTIVES:

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

- Understand the nature of assessment and its role in teaching learning process
- Critically analyze the role of assessment at different domains of learning
- Develop the skill of construction of testing tools
- Understand, analyze, manage and implement assessment data
- Examine different trends and issues in assessment

Lecture No.	Topic	Lecture description	Terminal behaviour/ Learning outcome	Pedagogical Tools & Teaching
1	Meaning of Assessment	About Meaning of Assessment	Students will be able to know Meaning of Assessment	Lecture cum Discussion Method
2	Distinction between assessment of learning and assessment for Learning	About Distinction between assessment of learning and assessment for Learning	Students will be able to know Distinction between assessment of learning and assessment for learning	Lecture cum Discussion Method
3	Measurement	About Measurement	Students will be able to know Measurement	Lecture cum Discussion Method
4	Tests, Examination	About Tests, Examination	Students will be able to know Tests, Examination	Lecture cum Discussion Method
5	Evaluation and their inter relationships	About Evaluation and their inter relationships	Students will be able to know Evaluation and their inter relationships	Lecture cum Discussion Method
7	Purposes and objectives of Assessment – for placement	About Purposes and objectives of Assessment – for placement	Students will be able to know Purposes and objectives of Assessment – for placement	Lecture cum Discussion Method
8	Purposes and objectives of Assessment –for	About Purposes and objectives of Assessment –	Students will be able to know Purposes and objectives of	Lecture cum Discussion Method

	providing feedback	for providing feedback	Assessment –for providing feedback	
9	Purposes and objectives of Assessment –for grading	About grading	Students will be able to know grading	Lecture cum Discussion Method
10	Purposes and objectives of Assessment – for certification	About certification	Students will be able to know certification	Lecture cum Discussion Method
11	Purposes and objectives of Assessment –for diagnosis of learning difficulties	About diagnosis of learning difficulties	Students will be able to know diagnosis of learning difficulties	Lecture cum Discussion Method
13	Principles and Types of evaluation Norm referenced and criterion referenced testing	Explanation of referenced and criterion referenced testing	Students will be able to know Principles and Types of evaluation Norm referenced and criterion referenced testing	Lecture cum Discussion Method
14	teacher made and standardized tests	About teacher made and standardized tests	Students will be able to know teacher made and standardized tests	Lecture cum Discussion Method
15	essay type, objective type	About essay type, objective type	Students will be able to know essay type, objective type	Lecture cum Discussion Method
16	objective-based tests	About objective-based tests	Students will be able to know objective-based tests	Lecture cum Discussion Method
17	Steps of Construction of a Test: Planning (Blue Print), Preparation, Try Out and Evaluation	About Steps of Construction of a Test: Planning (Blue Print), Preparation, Try Out and Evaluation	Students will be able to know Steps of Construction of a Test: Planning (Blue Print), Preparation, Try Out and Evaluation	Lecture cum Discussion Method
19	Characteristics of a good tool of evaluation	About Characteristics of a good tool of evaluation	Students will be able to know Characteristics of a good tool of evaluation	Lecture cum Discussion Method
20	Validity	About Validity	Students will be able to know Validity	Lecture cum Discussion Method
21	Reliability	About Reliability	Students will be able to know	Lecture cum Discussion Method

			Reliability	
22	Objectivity and Usability	Objectivity and Usability	Students will be able to know Objectivity and Usability	Lecture
23	Techniques of Assessment	About Techniques of Assessment	Students will be able to know Techniques of Assessment	Lecture &assignment
25	Project work, Assignments	About Project work, Assignments	Students will be able to know Project work, Assignments	Lecture &assignment
26	Work sheets, Practical work,	About Work sheets, Practical work,	Students will be able to know Work sheets, Practical work,	Lecture &assignment
27	Performance based activities	About Performance based activities	Students will be able to know Performance based activities	Lecture &assignment
28	Seminars and Reports as assessment devices	About Seminars and Reports as assessment devices	Students will be able to know Seminars and Reports as assessment devices	Lecture &assignment
29	Scoring procedure - manual and electronic	About Scoring procedure - manual and electronic	Students will be able to know Scoring procedure - manual and electronic	Lecture cum Discussion Method
31	development of Rubrics	About development of Rubrics	Students will be able to know development of Rubrics	Lecture cum Discussion Method
32	Analysis and Interpretation of Students' Performance	About Analysis and Interpretation of Students' Performance	Students will be able to know Analysis and Interpretation of Students' Performance	Lecture cum Discussion Method
33	Processing test performance	About Processing test performance	Students will be able to know Processing test performance	Lecture cum Discussion Method
34	Calculation of percentages	About Calculation of percentages	Students will be able to know About	Lecture cum Discussion Method
35	Measures of Central tendency	About Measures of Central Tendency	Students will be able to know About Measures of Central tendency	Lecture cum Discussion Method
37	Percentile Rank	About Percentile Rank	Students will be able to know Percentile Rank	Lecture cum Discussion Method

38	Measures of Central tendency	About Measures of Central Tendency	Students will be able to know About Measures of Central Tendency	Lecture cum Discussion Method
39	Graphical representations of data	About Graphical representations of data	Students will be able to know About Graphical representations of data	Lecture cum Discussion Method
40	interpreting performance	About interpreting performance	Students will be able to know About interpreting performance	Lecture
41	Place of marks	About Place of marks	Students will be able to know About	Lecture cum Discussion Method
43	Place of grades	About Place of marks	Students will be able to know About	Lecture cum Discussion Method
45	qualitative descriptions	About qualitative descriptions	Students will be able to know About qualitative descriptions	Lecture cum Discussion Method
46	Role of Feedback in Improving learning and learners' development	About Role of Feedback in Improving learning and learners' development	Students will be able to know About Role of Feedback in Improving learning and learners' development	Lecture cum Discussion Method
52	Issues and Problems: Objectivity vs. Subjectivity	About Objectivity vs. Subjectivity	Students will be able to know About Objectivity vs. Subjectivity	Lecture cum Discussion Method
53	Issues and Problems: Non-Detention Policy	About Non-Detention Policy	Students will be able to know About Non-Detention Policy	Lecture cum Discussion Method
54	Issues and Problems: menace of coaching	About	Students will be able to know About menace of coaching	Lecture cum Discussion Method
56	Emerging Practices in Assessment: Standard Based Assessment	About Emerging Practices in Assessment: Standard Based Assessment	Students will be able to know About Emerging Practices in Assessment: Standard Based Assessment	Lecture cum Discussion Method
57	Emerging Practices in Assessment: Online	About Online Assessment	Students will be able to know Online Assessment	Lecture cum Discussion Method

58	Emerging Practices in Assessment: Computer Based	About Computer Based Assessment	Students will be able to know Computer Based Assessment	Lecture cum Discussion Method
59	Emerging Practices in Assessment Open Book Examinations	About Open Book Examinations Assessment	Students will be able to know Open Book Examinations Assessment	Lecture cum Discussion Method
60	Construction of an Achievement Test on One Topic	About Construction of an Achievement Test on One Topic	Students will be able to know Construction of an Achievement Test on One Topic	Lecture cum Discussion Method
61	Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	About Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Students will be able to know Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Lecture cum Discussion Method
62	Analysis of Continuous Comprehensive Evaluation scheme at school level	About Analysis of Continuous Comprehensive Evaluation scheme at school level	Students will be able to know Analysis of Continuous Comprehensive Evaluation scheme at school level	Demonstration
64	Construction of an Achievement Test on One Topic	About Construction of an Achievement Test on One Topic	Students will be able to know Construction of an Achievement Test on One Topic	Lecture cum Discussion Method
65	Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	About Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Students will be able to know Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Lecture cum Discussion Method
66	Analysis of Continuous Comprehensive Evaluation scheme at school level	About Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Students will be able to know Compilation of result of one class at school level and its analysis(% ,Mean,Median,Mode) and graphical representation	Lecture cum Discussion Method
67	Existing Practices: Semester system, Existing Practices: CCE, Existing Practices:			Assignment

	Grading and Choice Based Credit System, Issues and Problems: Marking vs. Grading		
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UNDERSTANDING OF ICT

Total Marks:-50

External Assessment: - 25

Internal Assessment:- 25

Objectives:

At the end of the course, the student- teachers will be able to-

- Interpret and adapt ICTs in line with educational aims and principles
- Acquire knowledge of computers its accessories and software.
- Acquire the skills of operating a computer in multifarious activities pertaining to teaching.
- Understanding features of MS office and their operations.
- Develop skill in using MS-Word, PowerPoint and Spreadsheet.
- Apply the knowledge gained in respect of to process various data of students as well as simple library financial transaction of the school.
- Acquire skill in accessing word wide web and internet and global accessing of information
- Integrate technology in to classroom teaching learning strategies

Lecture no.	Topic	Lecture Description	Terminal Behavior/Learning Outcomes	Pedagogical Tools & Teaching
1	ICT in Education	Concept of ICT Need & Importance	Learners will be understand need and Importance	Lecture method followed by discussion
2	ICT in Education	Concept of ICT Need & Importance	Learners will understand need and Importance	Lecture method followed by discussion + ppt.
3	ICT in Education	Scope of ICT in teaching – Learning Process	Learners will Know and Comprehend about Scope of ICT in teaching –Learning Process	Lecture method followed by discussion + ppt.
4	ICT in Education	ICT Research And Administration	Learners will know about ICT Research And Administration	Lecture method followed by discussion + ppt.
5	ICT in Education	Integrating ICT in Teacher Education	Learners will be understand Integrating ICT in Teacher Education	Lecture method followed by discussion + ppt.
6	ICT in Education	Integrating ICT in Teacher Education	Learners will be able to understand Integrating ICT in Teacher Education	Brain Storming and Discussion
7	ICT in Education	Tools of ICT	Learners will be understand Tools of ICT	Brain Storming and Discussion
8	ICT in Education	Tools of ICT	Learners will be understand Tools of ICT	Lecture method followed by discussion + ppt.

9	ICT in Education	ICT for Professional Development of teachers.	Learners will Know and Comprehend about ICT for Professional Development of teachers.	Lecture method followed by discussion
10	ICT in Education	ICT for Professional Development of teachers.	Learners will Know and Comprehend about ICT for Professional Development of teachers.	Lecture method followed by discussion + ppt.
11	ICT in Education	ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Learners will be understand ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Lecture method followed by discussion
12	ICT in Education	ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Learners will be understand ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Brain Storming and Discussion
13	ICT in Education	ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Learners will be understand ICT for improving organization and management of teacher education. Possible uses of audio-visual media and computer	Lecture method followed by discussion + ppt.
15	Computer Fundamentals	Basic Anatomy of Computer	Learners Will know about Basic Anatomy of Computer	Lecture method followed by discussion
13	Computer Fundamentals	Evaluation of computer	Learners will Know and Comprehend about Evaluation of computer	Lecture method followed by discussion
14	Computer Fundamentals	Evaluation of computer	Learners will Know and Comprehend about Evaluation of computer	Brain Storming and Discussion
15	Computer Fundamentals	Evaluation of computer	Learners will Know and Comprehend about Evaluation of computer	Lecture method followed by discussion + ppt.
17	Computer Fundamentals	Characteristics of computer	Learners Will know about Characteristics of computer	Brain Storming and Discussion
18	Computer Fundamentals	Characteristics of computer	Learners Will know about Characteristics of computer	Lecture method followed by discussion + ppt.
19	Computer Fundamentals	Input Devices	Learners will be understand Input Devices	Lecture method followed by discussion
20	Computer Fundamentals	Input Devices	Learners Will know about Input Devices	Lecture method followed by discussion + ppt.
21	Computer Fundamentals	Output Devices	Learners will be understand Output Devices	Lecture method followed by

				discussion
22	Computer Fundamentals	Output Devices	Learners Will know about Output Devices	Lecture method followed by discussion + ppt.
24	Computer Fundamentals	Data Storage Devices	Learners Will know about Data Storage Devices	Lecture method followed by discussion + ppt.
25	Computer Fundamentals	MS-Window –Introduction	Learners will be understand MS-Window –Introduction	Lecture method followed by discussion
26	Computer Fundamentals	Operate MS-Windows	Learners will Know and Comprehend Operate MS-Windows	Lecture method followed by discussion
27	Computer Fundamentals	Windows Manager, Working with Files	Learners will be able to understand Windows Manager, Working with Files	Brain Storming and Discussion
28	Computer Fundamentals	SDisk Menu, Options Menu, Window Menu	Learners will Know and Comprehend about SDisk Menu, Options Menu, Window Menu	Lecture method followed by discussion + ppt.
30	Computer Fundamentals	Control Panel, Print Manager, Clip Board Viewer	Learners Will know about Control Panel, Print Manager, Clip Board Viewer	Lecture method followed by discussion
31	Computer Fundamentals	Paint Brush ,Notepad,Calendar,Calulater,Clock	Learners will be understand Paint Brush,Notepad,Calendar, Calulater,Clock	Group Discussion
32	Computer Fundamentals	Computer Virus	Learners will Know and Comprehend about Computer Virus	Lecture method followed by discussion
33	Computer Fundamentals	Computer Virus –Infection	Learners Will know about Computer Virus –Infection	Brain Storming and Discussion
34	Computer Fundamentals	Computer Virus –Infection, Causes and Remedies	Learners will understand Computer Virus –Infection, Causes and Remedies	Lecture method followed by discussion + ppt.

UNIT-III (Practical)

Lecture no.	Topic	Lecture Description	Terminal Behavior/Learning Outcomes	Pedagogical Tools & Teaching
1	MS-Office	Word Processor-introduction, Concept of word processing	Learners will understand about Word Processor-introduction, Concept of word processing	Lecture method followed by
2	MS-Office	Entering text-selecting and inserting text-making paragraph, getting help- moving and copying	Learners Will know about Entering text-selecting and inserting text-making paragraph, getting help- moving and copying	Demonstration cum practice

3	MS-Office	Searching and replacing-formatting character and paragraph- using a Document-editing, saving – formatting a text-handling multiple documents,	Learners will be able to understand Searching and replacing-formatting character and paragraph- using a Document-editing, saving – formatting a text- handling multiple documents,	Demonstration cum practice
4	MS-Office	Manipulation of tables, columns and rows, tables and foot notes,	Learners Will know about Manipulation of tables, columns and rows, tables and foot notes,	Demonstration cum practice
5	MS-Office	Table of contents and index-sorting, formatting sections and documents, mail merge.	Learners will understand about Table of contents and index-sorting, formatting sections and documents, mail merge.	Demonstration cum practice
6	MS-Office	Hands on Training: Make a word document of an official correspondence and a question paper	-	Project method
7	MS-Office	Write a paragraph on burning news in word document	-	Project method cum Brain storming
8	MS-Office	Preparing a resume	-	Demonstration cum project method
9	MS-Office	Mail merge	-	Lecture method followed by ppt.
10	MS-Office	Spreadsheet: Basics of Spreadsheet, manipulation cells, Columns and Rows	Learners Will know about Spreadsheet: Basics of Spreadsheet, manipulation cells, Columns and Rows	Demonstration cum practice
11	MS-Office	Spreadsheet operations-entering Numbers,text,Dates & Time, formulae	Learners Will know about Spreadsheet operations-entering Numbers,text,Dates & Time, formulae	Lecture method followed by Demonstration
12	MS-Office	Editing a worksheet-deleting cells, rows, columns, inserting cells, rows and columns, printing a worksheet, tables, charts, functions	Learners will be able to understand Editing a worksheet-deleting cells, rows, columns, inserting cells, rows and columns, printing a worksheet, tables, charts, functions	Demonstration followed by ppt.
13	MS-Office	Hands on Training: Tabulation of details of staff and students of the school in which the student teacher is attached for practice teaching using spreadsheet.	-	project method

14	MS-Office	Spreadsheet of student's progress record- tabulation of results of an academic test.	-	project method
15	MS-Office	Presentation Basics of PowerPoint- creating a presentation, the slide manager preparation of different types of slides	Learners will be able to understand:- Presentation Basics of PowerPoint- creating a presentation, the slide manager preparation of different types of slides	Demonstration method
16	MS-Office	Slide design colour and background, manipulation and presentation of slides	Learners Will know about Slide design colour and background, manipulation and presentation of slides	Discussion method followed by ppt.
17	MS-Office	Slide transition, custom animation, audio video attachment, hyperlinks	Learners will be able to understand Slide transition, custom animation, audio video attachment, hyperlinks	Lecture method followed by ppt.
18	MS-Office	Hands on Training: Creating learning materials – handouts	-	project method
19	MS-Office	Multimedia presentation on a topic relevant to the teaching subjects.	-	project method
20	Web Page and Internet	Meaning- importance- types of networking-LAN,MAN,WAN	Learners Will know about Meaning- importance- types of networking-LAN,MAN,WAN	Lecture method followed by ppt.
21	Web Page and Internet	Internet, E-mail-sending receiving and storing mail	Learners will be able to understand:- Internet, E-mail-sending receiving and storing mail	Demonstration method
22	Web Page and Internet	Chatting. Critical issues in internet usage-Authenticity of information,	Learners will understand about :- Chatting. Critical issues in internet usage-Authenticity of information,	Lecture method cum Demonstration
23	Web Page and Internet	Addiction, Plagiarism downsides of social networking group.	Learners Will know about:- Addiction, Plagiarism downsides of social networking group.	Lecture method followed by ppt.

24	Web Page and Internet	Hands on Training Creating own Email account and compromising and sending Email	-	project method
25	Web Page and Internet	Lesson Plan Assignment through e-mail	-	Practical

C-13
Drama and Art in Education

Total Marks:-50
External assessment:-25
Internal Assessment:-25

Objectives:

- To acquaint the students with art, music and drama for expression and communication purpose.
- To develop imagination, aesthetics and sense of appreciation for Arts.
- To understand local culture, art forms and interpret art work.
- To understand self and self expressions for enhancing creativity.
- To develop the sense of correlation of art with education.
- To prepare effective teaching aids for effective teaching learning.
- To train, enhance some theatre and music skills that will help them be Creative and enlightened teachers.
- To write legibly on chalk board.
- To learn to handle and display teaching material

Lecture no.	Topic	Lecture Description	Terminal Behavior/Learning Outcomes	Pedagogical Tools & Teaching
1.	Art Education	Meaning, definitions of Art Education	Learners will know about Meaning, definitions of Art Education	Lecture cum discussion method
2.	Art Education	Scope of Art Education	Learners will know about Scope of Art Education	Lecture cum discussion method
3.	Color	Meaning, definitions of color	Learners will know about Meaning, definitions of color	Lecture Method + PPT
4.	Color	Types of Color	Learners will understand about Types of Color	Lecture Method + PPT
5.	Color	Color Schemes	Learners will understand about Color Schemes	Lecture Method + PPT
6.	Color	Effects of Color	Learners will know about Effects of Color	Lecture Method + PPT
7.	Role of Art	Meaning, definitions of Role of Art in daily life	Learners will know about Meaning, definitions of Role of Art	Lecture cum discussion method
8.	Role of Art	Visual Arts	Learners will know about Visual Arts	Lecture cum discussion method
9.	Role of Art	Literary Arts	Learners will know about Literary Arts	Lecture cum discussion method
10.	Role of Art	Performing Arts	Learners will know about Performing Arts	Lecture cum discussion method
11.	Concept of Art	Meaning, definitions of	Learners will know about	Lecture Method

		art	Meaning, definitions of art	
12.	Concept of Art	Importance of Art	Learners will know about Importance of Art	Lecture Method
13.	Significance of Art	Significance of Art at secondary level for school education	Learners will know about Significance of Art at secondary level for school education	Lecture Method
14.	Difference between Art in Education	Concept of Art Education	Learners will know about Concept of Art Education	Lecture Method
15.	Difference between Art in Education	Difference between Art in Education and Education in Art	Learners will know about Difference between Art in Education and Education in Art	Lecture Method
16.	Music in Teaching and learning	Introduction and Meaning	Learners will know about Meaning, definitions of Music and Teaching learning	Lecture cum discussion method
17.	Music in Teaching and learning	Need and importance	Learners will know about need and importance of Music in Teaching and learning	Lecture cum discussion method
18.	Gestures	Meaning and types of gestures	Learners will know about Meaning and types of Gestures	Lecture Method + PPT
19.	Postures	Meaning and types of Postures	Learners will know about Meaning and types of Postures	Lecture Method + PPT
20.	Facial expression	Meaning and types of Facial expression	Learners will understand about Facial expression	Lecture Method + PPT
21.	Theatre	Introduction ,Meaning and definitions	Learners will know about Meaning and definitions of theatre	Lecture cum discussion method
22.	Theatre	Importance and role of Drama in general and in Education	Learners will know about the Importance and role of Drama in general and in Education	Lecture cum discussion method
23.	Components of theatre	Meaning of Role play, Space,Time, Audience and performance	Learners will know about meaning of Role play, Space,Time, Audience and performance	Lecture cum discussion method
24.	Forms of Music	Meaning and definitions of Gayan ,vadan and Narit	Learners will know about Meaning and definitions of Gayan ,vadan and Narit	Lecture cum demonstration and discussion method
25.	The impact of Music on Behaviour	The impact of Music on Behaviour in Childhood , adolescence and Adult	Learners will know about the impact of Music on Behaviour in Childhood ,	Lecture cum discussion method

		age	adolescence and Adult age	
26.	Art forms and Artist	Meaning and Identification of Dance and Music	Learners will know about Meaning and Identification of Dance and Music	Lecture cum discussion method and PPT
27.	Art forms and Artist	Meaning and Identification of Musical Instruments	Learners will know about Meaning and Identification of Musical Instruments	Lecture cum discussion method and PPT
28.	Art forms and Artist	Meaning and Identification of Theatre and puppetry	Meaning and Identification of Theatre and puppetry	Lecture cum discussion method and PPT

Practical / sessional work (Internal): Different types of line and shape

Color- Types, Color Schemes, Alphabet- Drawing of 2 Languages: English, Punjabi/ Hindi,

Writing and Sketching on Chalk Board,

Black Board Plan sheets of teaching subject,

Design: Floral and Geometrical (Rangoli)

Collage, Cutting and Pasting Collage,

Preparation of an Advertisement/ invitation,

Preparation of 2 Teaching Aids, Chart, Flash Card, Transparencies, Folders and Model etc.

Acting exercise for body and movements,

Acting exercise for Voice and Speech,

Group song with music instruments

Teaching of Commerce-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

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.	Joint stock companies	Meaning and features of Joint stock companies	Explain the Meaning and features of Joint stock companies	Brain storming and discussion
2.	Joint stock companies	structure and types of Joint stock companies	Learners will understand structure and types of Joint stock companies	Lecture method followed by discussion
3.	co-operative societies	meaning and features of co-operative societies	Explain the meaning and features of co-operative societies	Brain storming and discussion
4.	co-operative societies	Types of co-operative societies	Learners will understand Types of co-operative societies	Lecture method followed by discussion
5.	co-operative societies	advantages and limitations of co-operative societies	Learners will enlist the advantages and limitations of co-operative societies	Lecture method followed by discussion
6.	multinational companies	Meaning and features of multinational companies	Explain the Meaning and features of multinational companies	Lecture method followed by inductive and deductive approach
7.	multinational companies	advantages and limitations of multinational companies	Learners will understand advantages and limitations of multinational companies	Lecture method followed by inductive and deductive approach
8.	Insurance	Meaning and need of Insurance	Learners will enlist the Meaning and need of Insurance	Brain storming and discussion
9.	Insurance	Principles and types of Insurance	Learners will understand Principles and types of Insurance	Lecture method followed by discussion
10.	Entrepreneurship	meaning, Role and importance of entrepreneurship	Explain the meaning, Role and importance of entrepreneurship	Brain storming and discussion

11.	Entrepreneurship	self employment schemes of entrepreneurship	Learners will understand self employment schemes of entrepreneurship	Lecture method followed by discussion
12.	Globalization of business	factors that are included in globalization	Learners will understand factors that are included in globalization	Brain storming and discussion
13.	Globalization of business	main characteristics of globalization	Learners will enlist the main characteristics of globalization	Lecture method followed by discussion
14.	Globalization of business	Advantages and disadvantages of globalization	Explain the Advantages and disadvantages of globalization	Lecture method followed by discussion
15.	Globalization of business	career opportunities in Business of globalization	Learners will understand career opportunities in Business of globalization	Lecture method followed by PPT
16.	Resources for commerce	Meaning and types of resources	Learners will understand Meaning and types of resources	Lecture method followed by discussion
17.	Commerce establishing link	Commerce establishing link between school and different types of resources	Learners will enlist the Commerce establishing link between school and different types of resources	Lecture method followed by discussion
18.	Commerce laboratory	teacher's diary and records and registers to be maintained	Learners will understand teacher's diary and records and registers to be maintained	Lecture method followed by discussion
19.	Commerce laboratory	equipment, essentials and desirable	Learners will understand equipment, essentials and desirable	Lecture method followed by discussion
20.	Commerce club or association activities	Commerce club or association activities school bank-school co-operative society	Explain the Commerce club or association activities school bank-school co-operative society	Lecture method followed by discussion
21.	Community Resources	Meaning of Community Resources	Learners will understand Meaning of Community Resources	Brain storming and discussion
22.	Community Resources	types and uses of Community Resources	Explain the types and uses of Community Resources	Lecture method followed by discussion
23.	Achievement test	Characteristics-objectivity and reliability	Learners will understand Characteristics-objectivity and reliability	Lecture method followed by PPT
24.	Achievement test	validity and practicability-forms of test items	Learners will understand validity and practicability-forms of test items	Lecture method followed by discussion
25.	Achievement test	multiple choice type-short	Explain the multiple choice	Lecture method followed

		answer type and essay type	type-short answer type and essay type	by discussion
26.	objectives based test items in commerce	Construction of objectives based test items in commerce	Learners will enlist the Construction of objectives based test items in commerce	Lecture method followed by chart
27.	Unit test	importance-steps, construction and uses	Explain the importance-steps, construction and uses	Lecture method followed by discussion
28.	Diagnostic test	Meaning and steps-construction	Learners will understand Meaning and steps-construction	Lecture method followed by discussion
29.	Diagnostic test	Uses and Remedial teaching in commerce	Explain the Uses and Remedial teaching in commerce	Lecture method followed by discussion
30.	Diagnostic test	Critical analysis of commerce question papers	Learners will enlist the Critical analysis of commerce question papers	Lecture method followed by discussion
31.	Commerce Teacher	Qualities of a Commerce teacher	Learners will understand Qualities of a Commerce teacher	Lecture method followed by discussion
32.	Commerce Teacher	Need of professional development of commerce teacher	Explain the Need of professional development of commerce teacher	Lecture method followed by discussion
33.	Commerce Teacher	Need and Importance of in service teacher training of commerce	Learners will understand Need and Importance of in service teacher training of commerce	Lecture method followed by PPT
34.	Commerce Teacher	Commerce room	Learners will understand Commerce room	Lecture method followed by discussion
35.	Quality improvements in Commerce	Programmes for quality improvement in teaching of commerce- role of seminars	Learners will enlist the Programmes for quality improvement in teaching of commerce- role of seminars	Lecture method followed by discussion
36.	Quality improvements in Commerce	Programmes for quality improvement in teaching of commerce-workshops & projects.	Explain the Programmes for quality improvement in teaching of commerce-workshops & projects.	Lecture method followed by PPT
37.	E-Learning of commerce	Computer Assisted Instruction	Learners will understand Computer Assisted Instruction	Lecture method followed by charts

38.	E-Learning of commerce	Computer managed learning	Learners will understand Computer managed learning	Lecture method followed by discussion
39.	E-Learning of commerce	multimedia in learning commerce	Explain the multimedia in learning commerce	Lecture method followed by discussion
40.	Models	Educational broadcasting and telecasting-interactive video	Learners will enlist the Educational broadcasting and telecasting-interactive video	Lecture method followed by discussion
41.	Models	tele-lecture and video conferencing	Learners will understand tele-lecture and video conferencing	Lecture method followed by discussion
42.	Models	software in commerce and Podcasting	Explain the software in commerce and Podcasting	Lecture method followed by discussion

PRACTICAL/ SESSIONAL WORK:

- Conduct a survey and prepare a report on any issue in commerce.
- Survey of Share market and its impact
- Prepare a project proposal that has to be submitted to companies regarding business transaction, training
- Analysis of management of an educational institution.

Teaching of Economics-II

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 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 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	writing behavioral objectives	Blooms revised taxonomy of writing behavioral objectives in context of Economics lesson Planning	Learners will understand Economics lesson Planning	Lecture method followed by discussion
2	lesson plan	Concept, Need and importance	Learners will enlist the Concept, Need and importance	Lecture method followed by discussion
3	lesson plan	Approaches of lesson plan	Learners will understand Approaches of lesson plan	Lecture method followed by discussion
4	lesson plan	Lesson Plan Herbartian	Learners will enlist the Lesson Plan Herbartian	Lecture method followed by discussion

5	lesson plan	RCEM approach and Constructivist approach	Learners will understand RCEM approach and Constructivist approach	Lecture method followed by discussion
6	Planning for teaching Economics	Annual plan	Learners will enlist the Annual plan	Lecture method followed by discussion
7	Planning for teaching Economics	Unit plan	Learners will understand Unit plan	Lecture method followed by discussion
8	Planning for teaching Economics	Daily Lesson plan	Learners will enlist the Daily Lesson plan	Lecture method followed by discussion
9	Planning for teaching Economics	Short/Diary Lesson plan.	Learners will Short/Diary Lesson understand	Lecture method followed by discussion
10	teaching learning material	Importance and classification	Importance and classification	Lecture method followed by discussion
11	teaching learning material	teaching learning material with special reference to Edgar Dale's Cone of Experiences	Learners will understand teaching learning material with special reference to Edgar Dale's Cone of Experiences	Lecture method followed by discussion
12	teaching learning material	Charts, Graphs, Models – Working & Still	Learners will enlist the Charts, Graphs, Models – Working & Still	Lecture method followed by discussion
13	teaching learning material	Specimens & Objects, Multimedia in Economics teaching	Learners will understand Specimens & Objects, Multimedia in Economics teaching	Lecture method followed by discussion
14	teaching learning material	Learning Resource	Learners will enlist the Learning Resource	Lecture method followed by discussion
15	teaching learning material	Primary and Secondary	Learners will enlist the Primary and Secondary	Lecture method followed by discussion
16	Assessment and Evaluation	Concept	Learners will enlist the Concept	Lecture method followed by discussion
17	Assessment and Evaluation	importance and tools of Evaluation	Learners will enlist the importance and tools of Evaluation	Lecture method followed by discussion

18	Assessment and Evaluation	Peer assessment; use of Rubrics and Portfolio in assessment of Economics	Learners will enlist the Peer assessment; use of Rubrics and Portfolio in assessment of Economics	Lecture method followed by discussion
19	Assessment and Evaluation	Open-book tests: Strengths and limitations, Evaluating answers	Learners will understand Open-book tests: Strengths and limitations, Evaluating answers	Lecture method followed by discussion
20	Assessment and Evaluation	Construction of an Achievement test in Economics and blue Print	Learners will enlist the Construction of an Achievement test in Economics and blue Print	Lecture method followed by discussion
21	Content from NCERT Text books	Globalization and Indian Economy	Learners will understand	Lecture method followed by discussion
22	Content from NCERT Text books	Consumer Rights	Learners will enlist the Consumer Right	Lecture method followed by discussion
23	Content from NCERT Text books	Food security in India	Learners will understand Food security in India	Lecture method followed by discussion

Practical:

- Conducting economic survey in a locality with references to Population, Savings etc.
- Observation of recorded ICT based lesson of Economics prepared by student teacher with lesson of Edusat, Educomp etc.

PEDAGOGY OF ENGLISH-II

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	ACQUISITION OF LANGUAGE SKILLS: Teaching Reading Skills Mechanics of Reading	Eyes span, Pause	Learners will understand the mechanics of reading	Lecture method followed by illustrations
2	Teaching Reading Skills Mechanics of Reading	Fixation, Regression, Speed Pace	Learners will know the mechanics of reading	Group discussion method
3	Teaching Reading Skills Types of Reading	Skimming, Scanning, Reading Aloud, Silent Reading,	Understanding the types of reading	Brain storming and discussion
4	Teaching Reading Skills Types of Reading	Intensive Reading, Extensive Reading	Understanding of intensive and extensive reading	Group discussions followed by illustrations
5	Teaching Writing Skills Composition	Teaching of Compostion from controlled to free practices.	Learners will be able to compose from practices	Brain storming cum discussion
7	Teaching Writing Skills Creative writing	Poetry	Learners will be able to create a poem by understanding its terms	Lecture cum recitation

8	Teaching Writing Skills Creative writing	Story	Learners will be able to create a story by following norms	Lecture cum discussion method
9	Teaching Writing Skills Creative writing	Article	Learners will be able to create an article	Lecture cum discussion method
10	LESSON PLANNING Behavioral Objectives (Bloom's Taxonomy)	Concept of Bloom's taxonomy	Understanding the concept of Bloom's taxonomy	Group discussion method
11	Behavioral Objectives (Bloom's Taxonomy)	Cognitive learning	Understanding the levels of cognitive learning	Brain storming and discussion
13	Behavioral Objectives (Bloom's Taxonomy)	Affective learning	Learners will be able to understand the levels of affective learning	Comparative method and discussion
14	Behavioral Objectives (Bloom's Taxonomy)	Psychomotor learning	Learners will understand the concept and levels of psychomotor learning	Lecture method followed by ppt
15	Lesson planning	Previous knowledge testing	Learners will be able to develop the questions/ story to check previous knowledge	Lecture cum Demonstration method
16	Lesson planning	Teaching aids	Learners will be able to develop teaching aids	Demonstration method followed by ppt
17	Lesson planning	Outline of a lesson plan	Learners will be able to understand the outline of lesson plan	Demonstration method followed by ppt
19	Lesson planning	Teaching of Poetry	Learners will be able to understand the lesson plan of poem	demonstration method followed by ppt
20	Lesson planning	Teaching of Poetry	Learners will be able to develop the lesson plan of poem	Group discussion and problem solving
21	Lesson planning	Teaching of Prose/Drama	Learners will be able to understand the lesson plan of prose/drama	demonstration method followed by ppt
22	Lesson planning	Teaching of Prose/Drama	Learners will be able to develop	Group discussion and

			the lesson plan of prose/drama	problem solving
23	Lesson planning	Teaching of composition	Learners will be able to develop the lesson plan of composition	Group discussion and problem solving
24	Tutorial			Discussion/test
25	MULTIMEDIA TEACHING LEARNING RESOURCES Print Media:-	Meaning & Educational Significance.	Learners will be able to know and understand the educational significance of print media	discussion method followed by illustrations
26	ICT	Importance & advantages of Audio-visual aids	Learners will be able to understand the importance & advantages of audio-visual aids	Group discussion method followed by illustrations
27	ICT	Kinds of Audio-Visual Aids	Learners will be able to understand the kinds of audio-visual aids	Group discussion method followed by illustrations
28	Language Lab	Its set up, use and limitations.	Learners will be able to know the set up, use and limitations of language lab	Lecture cum discussion method
29	Language games	oral games, spelling games reading & writing games	Learners will be able to learn vocabulary, speaking, reading and writing through games	Activity method
31	ASSESSMENT–ITS ROLE AND IMPORTANCE Continuous and comprehensive evaluation	Concept and importance	Learners will be able to understand the concept and importance of Continuous and comprehensive evaluation	Discussion method followed by illustrations
32	Continuous and comprehensive evaluation	Techniques of evaluation—oral, written	Learners will be able to know the oral and written evaluation	Lecture cum ppt
33	Continuous and comprehensive evaluation	Techniques of evaluation—portfolio, Self evaluation; Peer evaluation	Learners will be able to understand the portfolio, Self evaluation; Peer evaluation	Lecture followed by ppt

34	Typology of questions	open-ended questions, MCQ	Learners will be able to explain open-ended questions and MCQ	Group discussion followed by illustrations
35	Typology of questions	true and false, critical questions	Learners will be able to know the differences of various types of questions	Group discussion followed by ppt
37	Sessional Work: Prepare different types of teaching aids related to teaching of English and use them wherever necessary.	Charts/models/flash cards/ ppt	Learners will understand to make teaching aids	Demonstration followed by ppt
38	Prepare different types of teaching aids related to teaching of English and use them wherever necessary.	Charts/models/flash cards/ ppt	Learners will prepare teaching aids	Practical
39	Develop a question paper for middle and secondary stage children to access all the aspects of language learning.	Open and closed questions	Learners will understand to develop the question papers	Demonstration method
40	Develop a question paper for middle and secondary stage children to access all the aspects of language learning.	Open and closed questions	Learners will develop the question papers	Practical

TEACHING OF FINE ARTS-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

OBJECTIVES:

To enable student teachers to:

- Learn and understand the correlation of fine arts with other subjects.
- Develop the skill of using text books-availability, criteria for selection etc.
- Develop the Aesthetic sense.
- To prepare lesson plan for teaching fine arts.
- Develop imagination and sense of appreciation of arts and interest in teaching of art.
- Knowledge about various elements and importance of six limbs in fine arts.

Lecture no.	Topic	Lecture description	Terminal behavior/ learning outcomes	Pedagogical Tools & Teaching
1.	Significance of fine arts & its correlation with other school subjects	Meaning, definitions of fine arts	Learners will understand meaning and definitions of fine arts	Lecture method followed by discussion
2.	Significance of fine arts & its correlation with other school subjects	Significance of fine arts	Learners will know about Significance of fine arts	Lecture method followed by discussion
3.	Significance of fine arts & its correlation with other school subjects	Correlation of fine arts with other school subjects	Learners will know about Correlation of fine arts with other school subjects	Lecture method followed by discussion +PPT
4.	Importance of field trips and Excursions in Fine arts	Importance of field trips and Excursions in Fine arts	Learners will know about Importance of field trips and Excursions in Fine arts	Demonstration method followed by discussion +PPT
5.	Use of Textbooks in teaching Fine Arts	Meaning, definitions of Textbooks	Learners will know about Meaning, definitions of Textbooks	Lecture method followed by discussion
6.	Availability and advisability of	Importance of textbooks in practical work	Learners will know about Importance of textbooks in	Lecture method followed by discussion + PPT

	prescribed textbooks in practical work.		practical work	
7.	Theoretical part and criteria of selection	Theoretical part and criteria of selection	Learners will know about Theoretical part and criteria of selection bout	Lecture method followed by discussion + PPT
8.	Reference books and books for supplementary reading	Importance of reference books	Learners will know about Importance of reference books	Lecture method
9.	Reference books and books for supplementary reading	Importance of books for supplementary reading	Learners will understand about Importance of books for supplementary reading	Lecture method followed by discussion
10.	Lesson planning to teach:	Meaning of lesson plan	To acquaint the students teacher with meaning of lesson planning	Chalk board, Lecture method
11.	Lesson planning to teach:	Need and importance of lesson planning	To acquaint the students teacher with meaning of lesson planning	Chalk board, Lecture method, Explanation
12.	Lesson planning of Line	Preparing lesson plan on topic line	To enable the students to prepare the lesson plan on topic line	Demonstration method followed by discussion
13.	Colour	Preparing lesson plan on topic colour	To enable the students to prepare the lesson plan on topic colour	Demonstration method followed by discussion
14.	Design	Preparing lesson plan on topic design	To enable the students to prepare the lesson plan on topic design	Demonstration method followed by discussion
15.	Still life	Preparing lesson plan on topic still life	To enable the students to prepare the lesson plan on topic still life	Demonstration method followed by discussion
16.	Poster	Preparing lesson plan on topic poster	To enable the students to prepare the lesson plan on topic poster	Demonstration method followed by discussion
17.	Audio- visual Aids in teaching of Fine Arts	Audio- visual Aids	To acquaint the students teacher with Audio- visual Aids in teaching of Fine Arts	Lecture method followed by discussion
18.	Audio- visual Aids in teaching of Fine Arts	Audio- visual Aids	To acquaint the students teacher with Audio- visual Aids in teaching of Fine Arts	Lecture method followed by discussion
19.	Holding the Art	Meaning and importance	Learners will know about	Chalk Board, Lecture

	Classes	of Art Classes	meaning and Importance of Art Classes	method followed by discussion
20.	Primary School Art Classes	Primary School Art Classes	Learners will know about Primary School Art Classes	Chalk Board, Lecture method followed by discussion
21.	Middle & Higher School Art Classes	Middle & Higher School Art Classes	Learners will know about Middle & Higher Art Classes	Chalk Board, Lecture method followed by discussion
22.	Elements of Art	Meaning and definitions of Elements of Art	Learners will know about Meaning and definitions of Elements of Art	Chalk Board, Lecture method followed by discussion
23.	Elements of Art	Types of line, colour, Importance of colour , Kinds of colour , Effects of colour	Learners will know about Types of line, colour, Importance of colour , Kinds of colour , Effects of colour	Chalk Board, Lecture method followed by discussion
24.	Elements of Art	Light and Shade, Space, Texture, Form, Perspective, Composition, Tone	Learners will know about Light and Shade, Space, Texture, Form, Perspective, Composition, Tone	Chalk Board, Lecture method followed by discussion
25.	Six Limbs of Indian Art (Shadanga)	Meaning of Six Limbs of Indian Art (Shadanga)	Learners will know about Meaning of Six Limbs of Indian Art (Shadanga)	Lecture method followed by discussion
26.	Six Limbs of Indian Art (Shadanga)	Roop Bheda, Pramana, bhava, Lavanya Yojna, sadrashya, Vernika Bhanga	Learners will know about Roop Bheda, Pramana, bhava, Lavanya Yojna, sadrashya, Vernika Bhanga	Lecture method followed by discussion
27.	Fine Arts & Society	Meaning and definitions of Fine Arts & Society	Learners will know about Meaning and definitions of Fine Arts & Society	Lecture method followed by discussion
28.	Fine Arts & Society	Relationship between Fine Arts & Society	Learners will know about Relationship between Fine Arts & Society	Lecture method followed by discussion
29.	Importance of Colours in life	Meaning, definitions of colours	Learners will know about Meaning, definitions of colours	Demonstration method

30.	Importance of Colours in life	Importance of Colours in life	Learners will know about Importance of Colours in life	Demonstration method
31.	Evaluation devices in art	Importance of devices in art	Learners will know about Importance of devices in art	Lecture method
32.	Evaluation devices in art	Evaluation devices in art	Learners will know about Evaluation devices in art	Lecture method
33.	Appreciation of art	Appreciation of art	Learners will know about Appreciation of art	Lecture method

Internal Practical:

- One Canvas in size 18'X 22'
- One utility item.
- Size-½ Imperial Size Sheet.
 - Poster - 2
 - Still Life– 2

PEDAGOGY OF HOME SCIENCE-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

OBJECTIVES:

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

- Understand and use appropriate learning resources in Home Science.
- Organize Co – curricular activities in Home Science.
- Acquaint themselves with the organization of Home Science department and its maintenance.
- Write unit plans and lesson plans for effective teaching in Home Science.
- Prepare as well as select suitable instructional aids in teaching Home Science.
- Understand the qualities and competencies of Home Science teacher.

Lecture No.	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical Tools & Teaching
1.(a)	Learning resources in Home Science	Meaning, definitions of Home Science	Learners will understand meaning, definitions of Home science	Lecture method followed by discussion
2.	Learning resources in Home Science	Text Books, reference books, journals.	Learners will understand about Text Books, reference books, journals of Home Science	Lecture method followed by discussion
3.	Learning resources in Home Science	E-resources and community Resources	Learners will understand about E-resources and community Resources	Lecture method followed by discussion
4.(b)	Learning beyond classroom	Meaning, definitions of Learning beyond classroom	Learners will understand about Meaning, definitions of Learning beyond classroom	Lecture method followed by discussion
5.	Learning beyond classroom	Importance, planning and organization of co-curricular activities	Learners will understand about Importance, planning and organization of co-curricular activities	Lecture method followed by discussion

6.(c)	Learning beyond classroom	Science club, exhibitions and excursions	Learners will understand about Science club, exhibitions and excursions	Lecture method followed by discussion
7.	Practical work in Home Science	Meaning of Practical work in Home Science	Learners will understand Meaning of Practical work in Home Science	Demonstration Method followed by discussion
8.	Practical work in Home Science	Need, importance of Practical work in Home Science	Learners will understand about Need, importance of Practical work in Home Science	Demonstration Method followed by discussion
9.	Practical work in Home Science	Organization of Practical work in Home Science	Learners will understand about Organization of Practical work in Home Science	Demonstration Method followed by discussion
10.(a)	Organization of Home Science department	Meaning, Importance of Organization of Home Science department	Learners will understand about Meaning, Importance of Organization of Home Science department	Lecture method followed by discussion
11.	Organization of Home Science department	Principles of Organization of Home Science department	Learners will understand about Organization of Home Science department	Lecture method followed by discussions
12.(b)	Selection, purchase and maintenance of equipments and furnishings for Home Science laboratory.	Selection, purchase of equipments and furnishings for Home Science laboratory	Learners will understand about Selection, purchase of equipments and furnishings for Home Science laboratory	Lecture method followed by discussions
13.	Selection, purchase and maintenance of equipments and furnishings for Home Science laboratory.	maintenance of equipments and furnishings for Home Science laboratory.	Learners will understand about maintenance of equipments and furnishings for Home Science laboratory.	Lecture method followed by discussions
14.	Upkeep and Management of Home Science department	Meaning and Management of Home Science department	Learners will understand about Meaning and Management of Home Science department	Lecture method followed by discussions

15.	Lesson planning and Unit planning in Home Science	Meaning, Importance of Lesson planning and Unit planning in Home Science	Learners will understand about Meaning, Importance of Lesson planning and Unit planning in Home Science	Lecture method followed by discussions
16.	Lesson planning and Unit planning in Home Science	essentials and steps (Herbartian approach and constructive approach) of lesson planning	Learners will understand about essentials and steps (Herbartian approach and constructive approach) of lesson planning	Lecture method followed by discussions
17.	Lesson planning and Unit planning in Home Science, Meaning, Importance, essentials and steps (Herbartian approach and constructive approach) of lesson planning	Construction of lesson plan b Herbartian approach y	Learners will understand how to make lesson plan of home science	Lecture method followed by discussions
18.	Instructional aids in Home Science	Meaning, definitions of Instructional aids in Home Science	Learners will understand about Meaning, definitions of Instructional aids in Home Science	Lecture method followed by discussions
19.	Instructional aids in Home Science	Importance of Instructional aids in Home Science	Learners will understand about Importance of Instructional aids in Home Science	Lecture method followed by discussions
20.	Instructional aids in Home Science	Classification , selection of Instructional aids in Home Science	Learners will understand about Classification , selection of Instructional aids in Home Science	Lecture method followed by discussions
21.	Instructional aids in Home Science	Use of Instructional aids in Home Science	Learners will understand about Use of Instructional aids in Home Science	Demonstration method followed by discussion
22.	Professional Competencies and professional development of Home Science teacher	Professional Competencies and professional development of Home Science teacher	Learners will understand about Professional Competencies and professional development of Home Science teacher	Lecture method followed by discussions

23.	Teacher as a Researcher and facilitator	Teacher as a Researcher and facilitator	Learners will understand about Teacher as a Researcher and facilitator	Lecture method followed by discussions
24.	Home science and environmental issues	Home science and environmental issues	Learners will understand about Home science and environmental issues	Lecture method followed by discussions
25.	Reflection on recent Advancements in Home Science	Reflection on recent Advancements in Home Science	Learners will understand about Reflection on recent Advancements in Home Science	Lecture method followed by discussions
26.	Home Science and Sustainable development	Home Science and Sustainable development	Learners will understand about Home Science and Sustainable development	Lecture method followed by discussions
27.	Innovative Approaches in Home Science	Innovative Approaches in Home Science	Learners will understand about Innovative Approaches in Home Science	Lecture method followed by discussions

Practical/ Sessional work:

- Analysis of Mid Day Meal in a School.
- Develop any two print materials or design on a piece of cloth.
- Organize a talk in a rural/ slum setting on conservation of fuel, water and electricity at home and write a report of the same.

Teaching of History-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives:

- 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 History.
- To sensitize and equip student teachers to handle social issues
- Realize her/his role as facilitator in enhancing History learning in the real Classroom situation.
- Explore the use and relevance of different learning resources and materials in Learning different units in History.

Lecture No.	Topic	Lecture description	Terminal behavior/ Learning outcomes	Pedagogical Tools & Teaching
1.	Blooms revised taxonomy of writing behavioural objectives in context of History lesson Planning	Explanation of Blooms revised taxonomy of writing behavioural objectives in context of History lesson Planning	Students will be able to know Blooms revised taxonomy of writing behavioural objectives in context of History lesson Planning	Lecture method followed by discussion with ppt
2.	Concept of a lesson plan	About Concept of a lesson plan	Students will be able to know Concept of a lesson plan	Lecture method followed by discussion
3.	Need of a lesson plan	About Need of a lesson plan	Students will be able to know Need of a lesson plan	Lecture method followed by discussion
4.	importance of a lesson plan	About importance of a lesson plan	Students will be able to know importance of a lesson plan	Lecture method followed by discussion
5.	Approaches of lesson planning: Herbartian Approach.	About Approaches of lesson planning: Herbartian Approach	Students will be able to know Approaches of lesson planning: Herbartian Approach	Lecture method followed by discussion

6.	Approaches of lesson planning: RCEM approach	About Approaches of lesson planning: RCEM approach	Students will be able to know Approaches of lesson planning: RCEM approach	Lecture method followed by discussion
7.	Approaches of lesson planning: Constructivist approach	About Approaches of lesson planning: Constructivist approach	Students will be able to know Approaches of lesson planning: Constructivist approach	Lecture method followed by discussion
8.	Planning for teaching History– Annual plan.	About Planning for teaching History– Annual plan.	Students will be able to know Planning for teaching History– Annual plan.	Lecture method followed by discussion
9.	Planning for teaching History– Unit plan.	About Planning for teaching History– Unit plan.	Students will be able to know Planning for teaching History– Unit plan.	Lecture method followed by discussion
10.	Planning for teaching History– Daily Lesson plan.	About Planning for teaching History– Daily Lesson plan.	Students will be able to know Planning for teaching History– Daily Lesson plan.	Lecture method followed by discussion
11.	Planning for teaching History- Short/Diary Lesson plan.	About Planning for teaching History- Short/Diary Lesson plan.	Students will be able to know Planning for teaching History- Short/Diary Lesson plan.	Lecture method followed by discussion
12.	Primary Resource for learning	Explanation of primary Resource for Learning	Students will be able to know primary Resource for Learning	Lecture method followed by discussion
13.	secondary Resource for learning	Explanation of secondary Resource for Learning	Students will be able to know of secondary Resource for Learning	Lecture method followed by discussion
14.	Importance of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	About Importance of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	Students will be able to know Importance of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	Lecture method followed by discussion with ppt
15.	Classification of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	About Classification of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	Students will be able to know classification of teaching learning material with special reference to Edgar Dale’s Cone of Experiences	Lecture method followed by discussion with ppt

16.	Maps in History teaching	Explanation of Maps in History teaching	Students will be able to know Maps in History teaching	Discussion method
17.	Charts in History teaching	Explanation of Charts in History teaching	Students will be able to know Charts in History teaching	Discussion method
18.	Globe in History teaching	Explanation of Globe in History teaching	Students will be able to know Globe in History teaching	Discussion method
19.	Graphs in History teaching	Explanation of Time-Lines in History teaching	Students will be able to know Graphs in History teaching	Discussion method
20.	Models in History teaching	Explanation of Models in History teaching	Students will be able to know Models in History teaching	Discussion method
21.	Time-Lines in History teaching	Explanation of Time-Lines in History teaching	Students will be able to know Time-Lines in History teaching	Discussion method
22.	Overhead Projector in History teaching	Explanation of Overhead Projector in History teaching	Students will be able to know about Overhead Projector in History teaching	Demonstration method followed by discussion
23.	Multimedia in History teaching	Explanation of Multimedia in History teaching	Students will be able to know about Multimedia in History teaching	Demonstration method followed by discussion
24.	Concept :Tools of Evaluation	Explanation of Concept :Tools of Evaluation	Students will be able to know Concept :Tools of Evaluation	Lecture method followed by discussion
25.	importance :Tools of Evaluation	Explanation of importance :Tools of Evaluation	Students will be able to know importance :Tools of Evaluation	Lecture method followed by discussion
26.	Open-book tests: Strengths.	Explanation of Open-book tests: Strengths.	Students will be able to know Open-book tests: Strengths	Lecture method followed by discussion
27.	Open-book tests: limitations	Explanation of Open-book tests: limitations	Students will be able to know Open-book tests: limitations	Lecture method followed by discussion
28.	Open-book tests: techniques of Evaluating answer books	Explanation of Open-book tests: techniques of Evaluating answer-books	Students will be able to know Open-book tests: techniques of Evaluating answer-books	Lecture method followed by discussion
29.	Open-book tests: Assessing project work	Explanation of Open-book tests: Assessing project work	Students will be able to know Open-book tests: Assessing project work	Lecture method followed by discussion

30.	Construction of an Achievement test and Blue print.	Explanation of Construction of an Achievement test and Blue print.	Students will be able to know Construction of an Achievement test and Blue print.	Lecture method followed by discussion
31.	Revolt of 1857, Rowlett Act,	Explanation of Revolt of 1857, Rowlett Act,	Students will be able to know Revolt of 1857, Rowlett Act,	Lecture method followed by discussion
32.	Jallianwala Bagh Massacre.	Explanation of Jallianwala Bagh Massacre	Students will be able to know Jallianwala Bagh Massacre	Lecture method followed by discussion
33.	Non-Cooperation, Civil-Disobedience,	Explanation of Non-Cooperation, Civil-Disobedience,	Students will be able to know Non-Cooperation, Civil-Disobedience,	Lecture method followed by discussion
34.	Quit India Movement	Explanation of Quit India Movement	Students will be able to know Quit India Movement	Lecture method followed by discussion
35.	Collection of Newspaper cuttings related to history issues	About Collection of Newspaper cuttings related to history issues	Students will be able to know Collection of Newspaper cuttings related to history issues	Lecture method followed by discussion
36.	Prepare a class Test based on a school class history syllabus	About Prepare a class Test based on a school class history syllabus	Students will be able to know Prepare a class Test based on a school class history syllabus	Lecture method followed by discussion
37.	Class seminar on any historical event.	About Class seminar on any historical event.	Students will be able to know Class seminar on any historical event.	Seminar

TEACHING OF MATHEMATICS-II

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 on;
- 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.	Textbook-need	Meaning	To introduce the student teachers with the need of mathematics.	Lecture method
	Textbook-importance and quality	Importance	To enable the student teachers understand the importance and quality of mathematics.	Lecture cum discussion method
2.	Audio-Visual multimedia selection	Definition and meaning	To enable the student teachers aware about the Audio-visual multimedia selection for teaching mathematics.	Illustration method
3.	Audio-Visual multimedia selection and designing	Definition and meaning	To enable the student teachers aware about the Audio-visual multimedia selection and designing for teaching mathematics.	Lecture method followed by ICT
4.	Using community Resources for Mathematic learning	Definition and meaning	To enable the student teachers to understand the Use of community Resources for Mathematic learning .	Lecture method followed by ICT
5.	Pooling of learning resourses in school complex		To enable the student teachers to understand the Pooling of learning resourses in school complex.	Lecture method followed by discussion method

6.	Pooling of learning resources at block level	Nature: Truth, Logic, Reasoning	To enable the student teachers to understand Pooling of learning resources at block level.	Lecture cum discussion method
7.	Pooling of learning resources at district level	Deductive Nature	To enable the student teachers to understand Pooling of learning resources at district level.	Lecture method followed by ICT
8.	Handling hurdles in utilizing resources	Problem Solving Nature	To enable the student teachers to understand the Handling hurdles in utilizing the learning resources of mathematics.	Demonstration method
9.	Cultivating learner's sensitivity like nutrition	Definitions, meaning and explanation	To acquaint the student teachers with Cultivating learner's sensitivity like mathematical nutrition.	Discussion method
10	Cultivating learner's sensitivity like probing and developing confidence.	Definitions, meaning and explanation	To acquaint the student teachers with Cultivating learner's sensitivity like probing and developing confidence.	Lecture method followed by ICT
11	Development of interest towards mathematics	Definitions, meaning and explanation	To enable them to know about the Development of interest towards mathematics.	Lecture cum discussion method
12	Development of attitude towards mathematics	Definitions, meaning and explanation	To enable them to know about the Development of attitude towards mathematics.	Lecture method followed by discussion method
13	Role of ICT in teaching of mathematics.	Definitions, meaning and explanation	To enable them to know about the Role of ICT in teaching of mathematics.	Lecture method followed by discussion method
14	Identify learner strength and weakness.	Definitions, meaning and explanation	To enable the student teachers to understand and Identify learner strength and weakness in mathematics.	Lecture method followed by discussion method
15	Activities enriching mathematics learning -assisting learning .	Definitions, meaning and explanation	To acquaint the student teachers with Activities enriching mathematics learning -assisting learning .	Lecture method followed by ICT
16	Supplementary text material	Definitions, meaning and explanation	To acquaint the student teachers with Activities enriching mathematics learning -supplementary text leaning.	Illustration method
17	Summer programs	Definitions, meaning and explanation	To acquaint the student teachers with Activities enriching mathematics learning -summer programs.	Lecture method followed by discussion method
18	Correspondence courses	Definitions, meaning and explanation	To acquaint the student teachers with Activities enriching mathematics learning -correspondence courses.	Lecture method followed by ICT

19	Mathematics contests and fairs	Definitions, meaning and explanation	To enable the student teachers to understand the need and objectives of mathematics contests and fairs.	Demonstration method and comparison method
20	Mathematics club	Definitions, meaning and explanation	To enable the student teachers with the need and importance of mathematics club.	Lecture method
21	Designing mathematics laboratory	Definitions, meaning and explanation	To enable the student teachers to design the mathematical laboratory.	Demonstration method and comparison method
22	Mathematics laboratory effectiveness use	Definitions, meaning and explanation	To enable the student teachers to understand the use of the mathematical laboratory.	Demonstration method and comparison method
23	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.	discussion method
24	Stimulating creativity and inventiveness in mathematics.	Definitions, meaning and explanation	To develop the skill of Stimulating creativity and inventiveness in mathematics.	Lecture method followed by discussion method
25	Qualities of mathematics teacher:general, personal and specific	Definitions, meaning and explanation	To make them aware about the general,specific and personal qualities of mathematics teacher.	Lecture method followed by ICT
26	Competences of mathematic teacher:curricular, content	Definitions, meaning and explanation	To make them aware about the curricular and content competences of mathematics teacher.	Lecture method followed by discussion method
27	Competences of mathematic teacher:contextual, conceptual	Characteristics	To make them aware about the contextual and conceptual competences of mathematics teacher.	Lecture method followed by discussion method
28	Competences of mathematic teacher:learnig material,management and cooperation	Definitions, meaning and explanation	To make them aware about the learnig material, management and cooperation of mathematics teacher.	Lecture method followed by discussion method
29	Types of in-service programme for mathematics teachers	Need and Importance	To make them aware about the in-service programmes for mathematics teachers	Lecture method followed by discussion method
30	Role of mathematics teacher's association; resourses materials in mathematical education.	steps for preparation and construction of lesson plans	To enable the student teachers to understand the Role of mathematics teacher's association;resourses materials in mathematical education.	Seminar

31	Role of mathematics teacher's association; Journals	steps for preparation and construction of lesson plans- Objective based lesson plans	To enable the student teachers to understand the Role of mathematics teacher's association for journals.	Demonstration and discussion method
32	Professional growth-participation in conferences, seminars	steps for preparation and construction of lesson plans- ICT based lesson plans	To make them aware about the professional growth of mathematics teacher by participating in conferences and seminars.	Demonstration method
33	Professional growth-participation in workshops, projects	steps for preparation and construction of lesson plans- model based lesson plans	To make them aware about the professional growth of mathematics teacher by participating in workshops and projects.	Lecture method followed by ICT
34	Professional growth-participation in role of reflections in professional development	steps for preparation and construction of lesson plans- Diary format lesson plans	To make them aware about the professional growth of mathematics teacher by participating in role of reflections in professional development.	Demonstration method

TEACHING OF MUSIC-II

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.	Instruments for learning of music variety ,simple introduction of instruments	Simple introduction of instruments	Learners will know about varieties of instruments	Lecture cum discussion method
2.	Notation and Rhythm	Introduction,meaning and qualities of Notation system and usefulness in Education	Learners will know about meaning and qualities of Notation system and usefulness in Education	Lecture cum discussion method
3.	Notation and Rhythm	Introduction, meaning and importance of Rhythm in music	Learners will know about meaning and importance of Rhythm in music	Lecture cum discussion method
4.	Setting of Music Room [vocal and instrument]	Need and importance of music room	Learners will know about Need and importance of music room	Lecture, group discussion following by PPT
5.	Setting of Music Room [vocal and instrument]	Provision of music room	Learners will know about provision of music room	Lecture ,group discussion following by PPT

6.	Music and folk music	Introduction, definition, meaning and background of folk music	Learners will understand about definition , meaning and background of folk music	Lecture cum discussion method
7.	Music and folk music	Salient features and importance of folk music	Learners will understand about Salient features and importance of folk music	Lecture cum discussion method
8.	Music and folk music	Place and importance of folk music in education	Learners will understand about Place and importance of folk music in education	Lecture cum discussion method
9.	Effect of music on behaviour and fatigue	Introduction, music and behaviour ,music and work, music and fatigue	Learners will understand about the effect of music on our behaviour work and fatigue	Group discussion
10.	knowledge of swar , division of swar in measures of shruti	Introduction ,Meaning , definition of shruti and swar , comparison of shruti and swar	Learners will understand about the meaning and definition of shruti and swar , comparison of shruti and swar	Lecture cum discussion
11.	knowledge of swar , division of swar in measures of shruti	Classification of shruti and swar	Learners will understand about Classification of shruti and swar	Lecture cum discussion
12.	Qualities of a music teacher as singer, player, dancer,composer	Music teacher as a singer	Learners will know about quality of music teacher as singer	Assignment
13.	Description of raagas	Introduction and description of raag bhairav and malkauns	Learners will know about the description of raag bhairav and malkauns	Lecture cum demonstration
14.	Description of raagas	Introduction and description of raag taman and bhupali	Learners will know about the description of raag yaman and bhupali	Lecture cum demonstration

15.	Notation of fast khyal[raag]	Raag malkauns	Learners will know about the notation of raag malkauns with alaap and tans	Lecture cum demonstration
16.	Notation of fast khyal[raag]	Raag bhairvi	Learners will know about the notation of raag bhairvi with alaap and tans	Lecture cum demonstration
17.	Notation of fast khyal[raag]	Raag bhairav	Learners will know about the notation of raag bhairav with alaap and tans	Lecture cum demonstration
18.	Notation of fast khyal[raag]	Raag yaman	Learners will know about the notation of raag yaman with alaap and tans	Lecture cum demonstration
19.	Notation of fast khyal[raag]	Raag bhupali	Learners will know about the notation of raag bhupali with alaap and tans	Lecture cum demonstration

Practical /Sessional work: Musical show

Teaching of Computer Science- II

Total marks: 50

Theory: 40

Internal Assesment: 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	Elements Of Programming Languages	Lecture method	To enable them to know about the Algorithm,flowchart,elements of ‘C’ programming with simple illustrations	Chalk board, & Explanation
2	Elements Of Programming Languages	Lecture method	To enable them to know about the Algorithm,flowchart,elements of ‘C’ programming with simple illustrations	Chalk board, & Explanation
3	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Elements of database and its applicatios,introduction to cloud computing	Chalk board, & Explanation
4	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Elements of database and its applicatios,introduction to cloud computing	Chalk board, & Explanation
5	Elements Of Programming Languages	Lecture method	To make them clear about the the Network of computers: network, types of network, and categories of network.	Chalk board, power point presentation & Explanation.

6	Elements Of Programming Languages	Lecture method	To make them clear about the the Network of computers: network, types of network, and categories of network.	Chalk board, power point presentation & Explanation.
7	Elements Of Programming Languages	Lecture method followed by discussion method	Learners will Know and Comprehend about World wide web- browsing and search engines	Chalk board, power point presentation & Explanation.
8	Elements Of Programming Languages	Lecture method followed by discussion method	Learners will Know and Comprehend about World wide web- browsing and search engines	Chalk board, power point presentation & Explanation.
9	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Internet- meaning- working principle –types –LAN- WI-FI-USES;	Questioning & Explanation.
10	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Internet- meaning- working principle –types –LAN- WI-FI-USES;	Questioning & Explanation.
11	Elements Of Programming Languages	Lecture method followed by discussion method	To enable them to know about the E-mail- meaning & it's working ;	Power point presentation & Explanation.
12	Elements Of Programming Languages	Lecture method followed by discussion method	To enable them to know about the E-mail- meaning & it's working ;	Power point presentation & Explanation.
13	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Web design –meaning and its creation-HTML – Meaning & importance.	Power point presentation & Explanation.
14	Elements Of Programming Languages	Lecture method	To introduce the student teachers with The Web design –meaning and its creation-HTML – Meaning & importance.	Power point presentation & Explanation.
15	Elements Of Programming Languages	Lecture method followed by discussion method	To enable the student teachers understand Multimedia applications , fundamentals of mobile computing	Chalk board, power point presentation & Explanation.
16	Elements Of Programming Languages	Lecture method followed by discussion method	To enable the student teachers understand Multimedia applications , fundamentals of mobile computing	Chalk board, power point presentation & Explanation.
	Tutorial			Discussion /Test
	Unit 2			
17	Resources for teaching computer science	Lecture method	To introduce the student teachers with The Text books- qualities of good computer science text	. Illustration technique.

			book	
18	Resources for teaching computer science	Lecture method	To introduce the student teachers with The Text books- qualities of good computer science text book	. Illustration technique.
19	Resources for teaching computer science	Lecture method	To introduce the student teachers with Role of text book in teaching computer science	Chalk board, power point presentation & Explanation
20	Resources for teaching computer science	Lecture method	To introduce the student teachers with Role of text book in teaching computer science	Chalk board, power point presentation & Explanation
21	Resources for teaching computer science	Lecture method followed by discussion method	To enable the student teachers understand Criteria for evaluation of computer science text book	Chalk board, power point presentation & Explanation
22	Resources for teaching computer science	Lecture method followed by discussion method	To enable the student teachers understand Criteria for evaluation of computer science text book	Chalk board, power point presentation & Explanation
23	Resources for teaching computer science	Lecture method followed by discussion method	To develop the skill of formulation Computer science library- meaning ,organization and importance	Illustration technique.
24	Resources for teaching computer science	Lecture method followed by discussion method	To develop the skill of formulation Computer science library- meaning ,organization and importance	Illustration technique.
25	Resources for teaching computer science	Lecture method followed by discussion method	To develop the skill of formulation computer science lab- Need for planning the computer laboratory	Illustration technique
26	Resources for teaching computer science	Lecture method followed by discussion method	To develop the skill of formulation computer science lab- Need for planning the computer laboratory	Illustration technique
27	Resources for teaching computer science	Lecture method	To enable the student teachers understand Special features of computer laboratory	Chalk board, power point presentation & Explanation, Illustration technique.
28	Resources for teaching computer science	Lecture method	To enable the student teachers understand Special features of computer laboratory	Chalk board, power point presentation & Explanation, Illustration technique.
29	Resources for teaching computer science	Demonstration method and comparison method	To develop the skill of formulation essential infrastructure- laboratory management & maintenance of records	Chalk board, power point presentation & Explanation.

30	Resources for teaching computer science	Demonstration method and comparison method	To develop the skill of formulation essential infrastructure- laboratory management & maintenance of records	Chalk board, power point presentation & Explanation.
31	Extended Curricular Activities	Lecture method	To introduce the student teachers with the meaning Computer science club – meaning ,objectives,organization	Chalk board, power point presentation & Explanation, Illustration technique.
32	Extended Curricular Activities	Lecture method	To introduce the student teachers with the meaning Computer science club – meaning ,objectives,organization	Chalk board, power point presentation & Explanation, Illustration technique.
33	Extended Curricular Activities	Lecture method	To introduce the student teachers with the meaning Computer science club Activities & importance	Chalk board, power point presentation & Explanation, Illustration technique.
34	Extended Curricular Activities	Lecture method	To introduce the student teachers with the meaning Computer science club Activities & importance	Chalk board, power point presentation & Explanation, Illustration technique.
35	Extended Curricular Activities	Demonstration method	To enable the student teachers understand computer science Quiz, computer science exhibition.	Demonstration method
36	Extended Curricular Activities	Demonstration method	To enable the student teachers understand science fair , objectives – organization & importance	Demonstration method
37	Extended Curricular Activities	Demonstration method	To introduce the student teachers with the Quality Improvement :Programs for Quality Improvement in teaching computer science	Lecture + Demonstration method
38	Extended Curricular Activities	Demonstration method	To introduce the student teachers with the Quality Improvement :Programs for Quality Improvement in teaching computer science	Lecture + Demonstration method
39	Extended Curricular Activities	Demonstration method	To enable the student teachers understand Role of seminars. Workshops and Projects in Quality Improvement	Lecture + Demonstration method
40	Extended Curricular Activities	Demonstration method	To enable the student teachers understand Role of seminars. Workshops and Projects in Quality Improvement	Lecture + Demonstration method
41	Extended Curricular Activities	Demonstration method	To enable the student teachers understand Professional	Lecture + Demonstration method

			Competencies of Computer science Teacher	
42	Extended Curricular Activities	Demonstration method	To enable the student teachers understand Professional Competencies of Computer science Teacher	Lecture + Demonstration method
43	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with the Concept of Unit test, construction of unit test	Chalk board, power point presentation & Explanation.
44	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with the Concept of Unit test, construction of unit test	Chalk board, power point presentation & Explanation.
45	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with the Weight ages to the components of unit test	Chalk board, power point presentation & Explanation.
46	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with the Weight ages to the components of unit test	Chalk board, power point presentation & Explanation.
47	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with designing three-dimensional Chart/ Blue print,	Lecture + Demonstration method
48	Evaluation in computer science	Demonstration method	To introduce the student teachers with the Construction of items, format of unit test	Chalk board, power point presentation & Explanation.
49	Evaluation in computer science	Demonstration method	To introduce the student teachers with the Construction of items, format of unit test	Chalk board, power point presentation & Explanation.
50	Evaluation in computer science	Demonstration method	To enable the student teachers understand Question paper,IOTAQB- meaning	Chalk board, power point presentation & Explanation
51	Evaluation in computer science	Demonstration method	To enable the student teachers understand Question paper,IOTAQB- meaning	Chalk board, power point presentation & Explanation
52	Evaluation in computer science	Demonstration method	To enable the student teachers understand Question paper, IOTAQB- meaning, development and Importance.	Chalk board, power point presentation & Explanation
53	Evaluation in computer science	Demonstration method	To enable the student teachers understand Question paper, IOTAQB- meaning, development and Importance.	Chalk board, power point presentation & Explanation
54	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with E –evaluation –meaning and Produce	Lecture + Demonstration method
55	Evaluation in computer science	Lecture method followed by discussion method	To introduce the student teachers with E –evaluation –meaning and Produce	Lecture + Demonstration method
	• Sessional Work:			

56	Preparation Of Quiz Programme Using Flash files.	Demonstration method	To develop the skill of formulation Preparation Of Quiz Programme Using Flash files	Demonstration method Illustration technique
57	Preparation Of Quiz Programme Using Flash files	Demonstration method	To develop the skill of formulation Preparation Of Quiz Programme Using Flash files	Demonstration method Illustration technique
58	Preparation Of E- Magazines And E- Books Using Open Source Software's.	Demonstration method	To develop the skill of formulation Preparation Of E- Magazines And E- Books Using Open Source Software's.	Demonstration method Illustration technique
59	Multimedia Presentation	power point presentation & Explanation	To develop the skill to multimedia Presentation	power point presentation & Explanation

Teaching of Health and Physical Education-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives

- To promote Health and Physical Education through various means and methods of teaching.
- To understand the Significance and Practical use of Audio-visual Aids.
- To make the teaching of Health and Physical Education more interesting and innovative.
- To understand the National Integration and International Understanding.

Lect. no	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical tools
1	Methods of Teaching: Lecture method	Concept and types of Method of Teaching	Learners will understand Concept and types of Lecture method	Brain storming and discussion
2	Demonstration method	Concept and types of Method of Teaching	Learners will understand Concept and types of Demonstration method	Lecture method followed by PPT
3	Lecture –cum- demonstration method	Concept and types of Method of Teaching	Learners will understand Concept and types of Lecture –cum- demonstration method	Lecture method followed by discussion
4	Command method	Concept and types of Method of Teaching	Learners will understand Concept and types of Command method	Lecture method followed by Models
5	Discussion method	Concept and types of Method of Teaching	Learners will understand Concept and types of Discussion method	Brain storming and discussion
6	Project method	Concept and types of Method of Teaching	Learners will understand Concept and types of Project method	Lecture method followed by discussion
7	Audio-visual Aids	Educational Significance and Practical use of teaching aids in Health and Physical Education	Understanding Educational Significance and Practical use of teaching aids in Health and Physical Education	Lecture method followed by discussion
8	Classification of audio-visual aids	Charts and 3-D Models	Understanding Charts, 3-D Models as Audio-visual Aids	Lecture method followed by charts
9	Classification of audio-visual aids	Black-Board and T.V.	Understanding Black-Board and T.V. as Audio-visual Aids	Lecture method followed by discussion
10	Classification of audio-visual aids	Computers and LCD	Understanding Computers and LCD as Audio-visual Aids	Lecture method followed by PPT
11	Lesson planning	Meaning and Importance	Learners will enlist the Meaning and Importance of Lesson planning	Lecture method followed by discussion
12	Lesson planning	Construction of Lesson plans for Teaching of Health and Physical Education	Explain the Construction of Lesson plans for Teaching of Health and Physical Education of	Lecture method followed by discussion

			Lesson planning	
13	Role of Health and Physical Education Teacher	Role of Health and Physical Education Teacher in Inculcating Interest towards Health	Learners will enlist the Role of Health and Physical Education Teacher in Inculcating Interest towards Health	Lecture method followed by discussion
14	Role of Health and Physical Education Teacher	Role of Health and Physical Education Teacher in Physical Education Programmes	Learners will understand Role of Health and Physical Education Teacher in Physical Education Programmes	Lecture method followed by discussion
15	Role of Health and Physical Education Teacher	Role of Health and Physical Education Teacher in Sustainability	Explain the Role of Health and Physical Education Teacher in Sustainability	Lecture method followed by discussion
16	Motivation	Meaning and Importance	Understanding Meaning and Importance of Motivation	Seminar
17	Motivation	its types	Learners will enlist the types of Motivation	Seminar
18	Role of Health and Physical Education	Role of Health and Physical Education in developing National Integration	Learners will understand Role of Health and Physical Education in developing National Integration	Brain storming and discussion
19	Role of Health and Physical Education	Role of Health and Physical Education in International Understanding among people	Explain the Role of Health and Physical Education in International Understanding among people	Lecture method followed by discussion
20	Curriculum	Concept of Health and Physical Education in school curriculum	Learners will enlist the Concept of Health and Physical Education in school curriculum	Brain storming and discussion
21	Curriculum	Principles of curriculum construction	Learners will understand Principles of curriculum construction	Lecture method followed by discussion
22	Curriculum	Importance of Health and Physical Education in school curriculum	Explain the Importance of Health and Physical Education in school curriculum	Lecture method followed by discussion
23	Supervision and Evaluation	Meaning	Understanding Meaning of Supervision and Evaluation	Lecture method followed by discussion
24	Supervision and Evaluation	Need and Importance in Health and Physical Education	Learners will enlist the Need and Importance in Health and Physical Education of Supervision and Evaluation	Lecture method followed by discussion
25	Athletic Meet	Meaning and Importance	Learners will understand Meaning and Importance of Athletic Meet	Lecture method followed by PPT

26	Athletic Meet	how to Organize Athletic Meet at School Level	Learners will understand how to Organize Athletic Meet at School Level of Athletic Meet	Lecture method followed by discussion
27	Yoga	Meaning	Explain the Meaning of yoga	Demonstration method
28	Yoga	Need and Significance of Yoga Asanas	Understanding Need and Significance of Yoga Asanas	Demonstration method
29	Role of Sports	Role of Sports in Society	Learners will understand Role of Sports in Society	Lecture method followed by charts
30	Role of Health and Physical Education	Role of Health and Physical Education in Society	Understanding Role of Health and Physical Education in Society	Lecture method followed by discussion
31	Obesity	Meaning of Obesity	Explain the Meaning of Obesity	Lecture method followed by discussion
32	Obesity	Calculation of Body Mass Index	Understanding Calculation of Body Mass Index	Lecture method followed by PPT

Internal Practical:

Lect. no	Topic	Lecture description	Terminal behavior / learning outcome	Pedagogical tools
1	Participation	Participation in College	Explain the Participation in College	Brain storming and discussion
2	Participation	Participation in State	Understanding Participation in State	Brain storming and discussion
3	Participation	Participation in University Activities	Learners will understand Participation in University Activities	Lecture method followed by discussion
4	Participation	Participation in Sports Competitions	Learners will enlist the Participation in Sports Competitions	Lecture method followed by PPT
5	Analysis	Pedagogical analysis of a book on the content areas from the general description of Health and Physical Education from the syllabus of classes VI – X	Explain Pedagogical analysis of a book on the content areas from the general description of Health and Physical Education from the syllabus of classes VI – X the	Lecture method followed by discussion
6	Analysis	objectives of Health and Physical Education from the syllabus of classes VI – X	Understanding objectives of Health and Physical Education from the syllabus of classes VI – X	Lecture method followed by PPT
7	Analysis	concepts of Health and Physical Education from the syllabus of classes VI – X	Learners will understand concepts of Health and Physical Education from the syllabus of classes VI – X	Lecture method followed by discussion
8	Analysis	theories of Health and Physical Education from the syllabus of classes VI – X	Learners will enlist the theories of Health and Physical Education from the syllabus of classes VI – X	Lecture method followed by PPT

9	Physical fitness Test	Physical fitness Test /Canadian physical efficiency test for boys & girls- Knowledge & application of BMI	Learners will understand Physical fitness Test /Canadian physical efficiency test for boys & girls- Knowledge & application of BMI	Brain storming and discussion
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Teaching of Political Science-II

Total Marks= 50

External= 40

Internal= 10

Objectives:

- To develop ability to design curriculum of teaching of Political Science.
- To develop proper understanding of modern concept and tools of evaluation.
- To acquaint pupil teachers with methods of teaching of Political Science.
- To enable P.T. to prepare lesson plan of teaching of Political science.

No. of Lect.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Curriculum Organization: - Principles of Curriculum construction.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the principal of curriculum construction	Lecture cum Discussion Method
2.	Curriculum Organization: - Principles of Curriculum construction.	Principal of curriculum construction	Learners will know about the principal of curriculum construction	Lecture method followed by brain storming
3.	Approaches of organizing curriculum in Political Science: Concentric approach.	Definition, Meaning, of approaches	Learners will know about concept of approaches	Lecture cum Discussion Method
4.	Approaches of organizing curriculum in Political Science: topical approach.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the topical approach	Lecture with situational examples
5.	Approaches of organizing curriculum in Political Science: Unit approach.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the unit approach	Lecture cum Discussion Method

6.	Approaches of organizing curriculum in Political Science: Chronological approach.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the Chronological approach	Lecture cum Discussion Method
7.	Approaches of organizing curriculum in Political Science: Concentric approach.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the concentric approach	Lecture cum Discussion Method
8.	Lesson plan and Unit Plan: need of lesson planning	Definition, Meaning, Explanation.	Learners will know about the need of lesson planning	Lecture cum Discussion Method
9.	Lesson plan and Unit Plan: importance of lesson planning	Definition, Meaning, Characteristics, Explanation.	Learners will know about the importance of lesson planning	Discussion method
10.	Lesson plan and Unit Plan: steps of developing.	Definition, Meaning, Characteristics, Explanation.	Learners will be able make Unit plan lesson plan	Lecture method followed by brain storming
11.	Political Science Text Books: Need, importance.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the need & importance of text book	Lecture method followed by brain storming
12.	Political Science Text Books: Qualities.	Political Science Text Books	Learners will be able to explain the qualities of text book	Lecture method followed by brain storming
13.	Need and equipment of Political Science Room.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the need of political science room	Lecture cum Discussion Method
14.	Need and equipment of Political Science Room.	Definition, Meaning, Characteristics	Learners will be able to explain the equipment of political science room	Discussion method
15.	Supplementary material: Magazines. Journals News papers.	Definition, Meaning, Characteristics, Explanation.	Learners will know about the concept of supplementary material	Lecture cum Discussion Method

16.	Supplementary material: reference books, Internet.	Definition, Meaning, Characteristics,	Learners will know about concept reference books, internet	Lecture cum Discussion Method Blended Teaching (Use of ICT)
17.	Supplementary material: Social Media with reference to Political development.	Definition, Meaning, Characteristics,	Learners will know about the concept of social media as supplementary material	Lecture cum Discussion Method.
18.	Difference between approaches, strategies and methods..	Definition, Meaning, Characteristics,	Learners will know about the difference between approaches, strategies and methods.	Lecture cum Discussion Method Blended Teaching (Use of ICT)
19.	Methods of Teaching of Political Science- Lecture Method	Definition, Meaning, Characteristics,	Learners will know about the concept of lecture method.	Lecture cum Discussion Method.
20.	Methods of Teaching of Political Science- Problem solving method	Definition, Meaning, Characteristics,	Learners will know about the concept of problem solving method.	Lecture cum Discussion Method.
21.	Methods of Teaching of Political Science- Project method.	Strengths and limitations	Learners will know about the concept of project method.	Lecture cum Discussion Method
22.	Methods of Teaching of Political Science- Discussion, Panel discussion.	Techniques of open book test	Learners will know about the concept of discussion and panel discussion.	Lecture cum Discussion Method Blended Teaching (Use of ICT)
23.	Methods of Teaching of Political Science- Brain storming,	Definition, Meaning, Characteristics,	Learners will know about the concept of Brain storming	Lecture method followed by brain storming.
24.	Concept of Formative and summative evaluation in teaching of Political science	Definition, Meaning, Characteristics,	Learners will able understand formative and summative assessment.	Lecture cum Discussion Method Blended Teaching (Use of ICT)

25.	Concept of Formative and summative evaluation in teaching of Political science	Difference	Learners will be able to understand formative and summative assessment.	Lecture cum Discussion Method Blended Teaching (Use of ICT)
26.	Structure of UNO and its organs.	Meaning characteristics	Learners will know about the UNO and its organs.	Assignment
27.	Steps in Electoral Process	Meaning characteristics	Learners will know about the electoral process of India	Seminar
28.	Directive principles of state policy	Meaning characteristics	Learners will know about the directive principles of state policy	Seminar

Teaching of Social Studies-II

Total Marks= 50

External= 40

Internal= 10

Objectives:

- To introduce student teachers with the methodology of teaching used in teaching Social studies in schools.
- To make student teachers aware of the values of commerce and the relationship of Social studies with other subjects.
- To encourage student teachers to use a wider range of teaching techniques in order to enable them to plan their lessons in teaching of Social studies.
- To acquaint student teachers with the role of teaching aids, textbooks, homework, libraries in Social studies.
- To enable student teachers to plan their lessons of Social studies.
- To equip student teachers with the curriculum.

No. of Lectures	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Blooms revised taxonomy of writing behavioural objectives in context of social studies lesson Planning	Definition, Meaning, Characteristics, Explanation.	Learners will know about the concept of behavioural objectives and are able to understand and reflect.	Lecture cum Discussion Method
2.	Blooms revised taxonomy of writing behavioural objectives in context of social studies lesson Planning	behavioural objectives in context of social studies	Learners will be able to form behavioural objectives in context of social studies	Lecture cum Discussion Method followed by ICT
3.	Concept, Need of lesson plan/Unit Plan	Definition, Meaning, of lesson plan	Learners will know about concept of lesson planning.	Lecture cum Discussion Method
4.	Importance of a lesson plan/Unit Plan	Importance	Learners will know about the importance of lesson planning in social studies.	Lecture with situational examples

5.	Approaches of lesson planning: Herbartian Approach	Definition, Meaning, Characteristics, Explanation.	Learners will know about the Herbartian approach of lesson planning in social studies.	Lecture cum Discussion Method
6.	Approaches of lesson planning: RCEM approach	Definition, Meaning, Characteristics, Explanation.	Learners will know about the RCEM approach of lesson planning in social studies.	Lecture cum Discussion Method
7.	Approaches of lesson Planning: Constructivist approach	Definition, Meaning, Characteristics, Explanation.	Learners will know about the Constructivist approach of lesson planning in social studies.	Lecture cum Discussion Method
8.	Planning for teaching of Social Studies – Annual plan,	Definition, Meaning, Characteristics, Explanation.	Learners will be able make Annual lesson plan	Lecture method followed by brain storming
9.	Planning for teaching of Social Studies –Unit plan Lesson plan	Definition, Meaning, Characteristics, Explanation.	Learners will be able make Unit plan lesson plan	Lecture method followed by brain storming
10.	Planning for teaching of Social Studies – Short/Diary Lesson plan.	Definition, Meaning, Characteristics, Explanation.	Learners will be able make Short/Diary lesson plan	Lecture method followed by brain storming
11.	Resource for Learning : Primary Resource	Definition, Meaning, Characteristics, Explanation.	Learners will be able to explain the primary learning resources along with usability	Lecture cum Discussion Method
12.	Resource for Learning : Secondary Resource	Definition, Meaning, Characteristics, Explanation.	Learners will be able to explain the secondary learning resources along with usability	Lecture cum Discussion Method
13.	Importance and classification of teaching learning material	Definition, Meaning, Characteristics	Learners will know about the teaching learning material	Lecture cum Discussion Method

14.	Edgar Dale's Cone of Experiences	Definition, Meaning, Characteristics, Explanation.	Learners will know about the teaching learning material with special reference to Edgar Dale's cone of experiences.	Lecture cum Discussion Method followed by ICT
15.	Concept and importance of Evaluation	Definition, Meaning, Characteristics,	Learners will know about concept of Evaluation.	Lecture cum Discussion Method
16.	Concept and importance of Evaluation	importance of Evaluation	Learners will know about the importance of evaluation in social studies	Lecture cum Discussion Method.
17.	Peer assessment, use of Rubrics.	Definition, Meaning, Characteristics,	Learners will able to use Rubrics as assessment tool	Lecture cum Discussion Method followed by ICT
18.	Peer assessment, use of Portfolio in assessment of Social Studies.	Definition, Meaning, Characteristics,	Learners will able to use Portfolio as assessment tool.	Lecture cum Discussion Method followed by ICT
19.	Open-book tests	Definition, Meaning, Characteristics,	Learners will know about the concept of open book test.	Lecture cum Discussion Method.
20.	Open-book tests: Strengths and limitations.	Strengths and limitations	Learners will know about the Strengths and limitations of open book test.	Lecture cum Discussion Method
21.	Open-book tests: Techniques of evaluating student's answer Books/Assessing project work.	Techniques of open book test	Learners will respond and reflect according to their understanding.	Lecture cum Discussion Method Blended Teaching (Use of ICT)
22.	Construction of an Achievement test and Blue print.	Definition, Meaning, Characteristics,	Learners will know about the concept of achievement test	Lecture cum Discussion Method Blended Teaching (Use of ICT)
23.	Construction of an Achievement test and Blue print.	Techniques of blue print construction	Learners will able to construct an achievement test.	Lecture method followed by brain storming.

24.	Constitutional Design	Definition, Meaning,	Learners will know about the constitution of India.	Seminar
25.	Agriculture and National Economy	Meaning characteristics	Learners will know about the Indian Agriculture and National Economy	Lecture cum Discussion Method
26.	Agriculture and National Economy	Importance	Learners will know about the Indian Agriculture and National Economy	Discussion
27.	Globalization and Indian Economy, Consumer rights	Meaning characteristics	Learners will know about the Globalization and Indian Economy, Consumer rights	Lecture cum Discussion Method
28.	Globalization and Indian Economy, Consumer rights	Importance	Learners will know about the Globalization and Indian Economy, Consumer rights	Discussion
29.	Maps, Charts, Globe, Graphs, Models (Working & Still), Realia and specimens, Multimedia in Social studies teaching	Maps, Charts, Globe, Graphs, Models (Working & Still), Realia and specimens, Multimedia in Social studies teaching	Learners will know about the teaching aids in social studies	Assignment

Teaching of Science-II

Total Marks: 50

Theory: 40

Internal Assessment: 10

Objectives:

The students will be able to:

- Select and use appropriate learning resources in science.
- Organise various co-curricular activities in science.
- Organise practical work and improvise science apparatus.
- Stimulate curiosity amongst science students.
- Plan lessons for effective teaching in science.

Lectures No.	Topic	Lecture Description	Terminal behavior/ Learning outcomes	Pedagogical Tools
1.	Learning Beyond the classrooms	Meaning, Explanation, importance.	Learners will know about the concept of Learning Beyond the classrooms	Lecture cum Discussion Method
2.	Co-curricular Activities: Importance, planning and organising Science museum	Meaning and importance of co-curricular activities, Steps of organizing Science museum	Learners will be motivated to visit and organize Science Museums.	Lecture cum Discussion Method with examples
3.	Co-curricular Activities: Importance, planning and organising Science clubs	Meaning and importance of co-curricular activities, Steps of organizing Science clubs	Learners will be motivated to visit and organize Science Clubs	Lecture cum Discussion Method with examples
4.	Importance, planning and organising Science fair	Steps of organizing Science fair	Learners will be motivated to visit and organize Science fair	Lecture cum Discussion Method with examples
5.	Importance, planning and organising Excursions.	Steps of organizing Excursions.	Learners will be motivated to visit and organize Excursions	Lecture cum Discussion Method with examples

6.	Organising an activity through Science Club		Learners will be able to organize an activity through Science Clubs.	Practical work
7.	Science Text books - need and importance.	Text books (Science): Definition, Meaning, Characteristics, need and importance	Learners will know about the text book, their need and importance	Lecture cum Discussion Method
8.	Criteria for selection of text books and use of Reference books	Procedure of selecting a text book and need and importance of reference books	Learners will be able to select the text books and reference books	Lecture cum Discussion Method
9.	Need and importance of Journals and Teacher manuals in science teaching	Need and importance of Journals and Teacher manuals in science teaching	Learners will understand the need and importance of Journals and Teacher manuals .	Lecture cum Discussion Method
10.	e-learning: concept, and use of e-books and e-journals in science.	Definition, Meaning, and Explanation about e learning and related concepts.	Learners will know about the concept of e learning and related concepts.	Lecture cum Discussion Method Blended Teaching (use of ICT)
11.	Practical work in Science - Need, Importance and Organization.	Practical work in Science - Need, Importance and Organization	Learners will understand the need and importance of practical work and will be able to organize it.	Lecture cum Discussion Method
12.	Science kits	Definition, Meaning, and Explanation	Learners will understand the need and importance of Science kits and will be able to develop it.	Lecture cum Demonstration
13.	Improvisation of science apparatus.	Definition, Meaning, and Explanation	Learners will understand the need and importance of Improvisation of science apparatus and will be able to develop it.	Lecture cum Demonstration
14.	Construction of any one improvised apparatus		Learners will be able to develop Improvised science apparatus	Practical work
15.	Construction of a model.		Learners will be able to develop Model	Practical work

16.	Planning of Science Laboratory- White House Plan.	Planning of Science Laboratory- White House Plan	Learners will know how to plan a Laboratory	Lecture cum Discussion Method
17.	Laboratory equipment and material- selection, purchase, maintenance.	Laboratory equipment and material- selection, purchase, maintenance	Learners will be able to know about laboratory equipments and their usage	Lecture cum Discussion Method
18.	First Aid in Laboratory	First Aid in Laboratory	Learners will be able to work safely and cautiously in laboratory	Lecture cum Discussion Method
19.	Instructional Media: Meaning, Importance, Classification.	Instructional Media: Meaning, Importance, Classification.	Learners will know about instructional media, their importance and classification.	Lecture cum Discussion Method
20.	Principle of Selection and use of ICT and chalk board.	Selection and use of ICT and chalkboard	Learners will know about the Selection and use of ICT and chalk board.	Lecture cum Discussion Method
21.	Principle of Selection and use of Models and Specimens	Selection and use of Models and Specimens	Learners will know about the Selection and use of Models and Specimens	Lecture cum Discussion Method
22.	Lesson planning in science – Meaning, importance	Lesson planning in science –Meaning, importance	Learners will know about meaning and importance of Lesson Planning.	Lecture cum Discussion Method
23.	Herbartian Lesson plan steps	Herbartian Lesson plan steps	Learners will be able to understand and develop Herbartian Lesson plan.	Lecture cum Discussion
24.	Constructivist approach of Lesson planning	Constructivist approach of Lesson planning	Learners will be able to understand and develop Constructivist approach of Lesson planning	Lecture cum Discussion
25.	Professional growth of Science teacher.	Necessities and requirements of Professional growth of Science teacher.	Learners will be motivated for their professional growth in their future while teaching.	Lecture cum Discussion Method

26.	Teacher as a community of learners	Development of teacher while interacting with the teaching community	Learners will know about the importance of teaching community	Lecture cum Discussion Method
27.	Collaboration of schools with Colleges/Universities.	Collaboration of schools with Colleges/Universities: Concept, Importance and impact	Learners will know about the Concept, Importance and impact of Collaboration of schools with Colleges/Universities.	Lecture cum Discussion Method
28.	Study of community resource in science and preparing the report			Practical Work
29.	Study of community resource in science and preparing the report			Practical Work
30.	Reflection laws and its applications.	Reflection laws and its applications.	Learners will be able to revise the previous concept of Reflection and its applications.	Seminar and Discussion
31.	Refraction laws and its applications.	Refraction laws and its applications.	Learners will be able to revise the previous concept of Refraction laws and its applications.	Seminar and Discussion
32.	Structure of Atom- Bohr's model.	Structure of Atom- Bohr's model.	Learners will be able to revise the previous concept of Structure of Atom- Bohr's model	Seminar and Discussion
33.	Nutrition and its modes.	Nutrition and its modes.	Learners will be able to revise the previous concept of Nutrition and its modes.	Seminar and Discussion
34.	Nutrition and its modes.	Nutrition and its modes.	Learners will be able to revise the previous concept of Nutrition and its modes.	Seminar and Discussion
35.	Environmental Problems- Global warming,	Environmental Problems- Global warming, greenhouse effect,	Learners will be able to revise the previous concept of Environmental Problems- Global warming.	Seminar and Discussion

36.	Environmental Problems- Greenhouse effect.		Learners will be able to revise the previous concept of Environmental Problems- Greenhouse effect.	Seminar and Discussion
37.	Environmental Problems- Acid Rain.	Environmental Problems- Acid Rain, Ozone layer depletion.	Learners will be able to revise the previous concept of Environmental Problems- Acid Rain.	Seminar and Discussion
38.	Environmental Problems- Ozone layer depletion.		Learners will be able to revise the previous concept of Environmental Problems- Ozone layer depletion.	Seminar and Discussion