

- निम्न पर संक्षिप्त टिप्पणी दें
- गृहकार्य का अर्थ एवं स्वरूप।
- गृहकार्य की आवश्यकता और सावधानियां।
- गृहकार्य के लाभ।
- गृहकार्य की हानियां।
- गृहकार्य का स्तरीकरण।
- हिन्दी शिक्षण में गृहकार्य का संशोधन।
- सुलेख शिक्षण से क्या तात्पर्य है। सुलेख शिक्षण के विभिन्न उद्देश्यों को स्पष्ट करें।

युनिट 4

- 21वीं सदी में हिन्दी अध्यापक के गुणों पर विवेचना करें।
- मुल्यांकन का अर्थ स्पष्ट करते हुए मुल्यांकन के लिये प्रयुक्त होने वाली विभिन्न विधियों का तथा महत्व का विवेचन करें।
- आदर्श प्रश्न पत्र के सिद्धान्त बताते हुए एक प्रश्न पत्र का निर्माण करें।
- हिन्दी शिक्षण में पुस्कालय का महत्व स्पष्ट करें।
- पाठ्यपुस्तक से क्या अभिप्राय है। हिन्दी की एक आदर्श पाठ्यपुस्तक की विशेषता बताते हुए माध्यमिक स्तर के आंतरिक पहलु को ध्यान में रखते हुए किसी भी कक्षा की समीक्षा कीजिए।
- शिक्षा शास्त्रीय विश्लेषण को स्पष्ट करते हुए किसी एक विषय पर शिक्षा शास्त्रीय विश्लेषण तैयार करें।

Pedagogy of English

Unit-1

- Q1 Define language and what is the importance of English language in India? Discuss the functions of language in detail.
- Q2 Enumerate various linguistic principles along with linguistic characteristics of English.
- Q3 What should be the aims of teaching English at school level? How can these be realized? OR
- Q4 What are the objectives of teaching English language in Indian Schools? Explain the need of stating objectives in behavioural terms.
- Q5 What is inductive and deductive approach? What is its importance in teaching English language? Discuss in detail merits and demerits of inductive-deductive method.
- Q6 What is co-operative learning/constructive approach? Describe its principles. How does it help in making teaching-learning of English more effective?

Unit-2

- Q1 Differentiate between method and approach of teaching with reference to meaning, nature, objectives and examples.
- Q2 What is direct method of teaching English? Explain its principles, merits and demerits.
- Q3 What do you understand by bilingual method of teaching English? Describe its principles, merits and demerits.
- Q4 What is bilingual method of teaching English? How is this method different from translation cum grammar method and direct method of teaching English?
- Q5 What are the important techniques used in audio-lingual method? Also describe the advantages and disadvantages of audio-lingual method of teaching English.
- Q6 What do you mean by structural approach? Explain the different patterns of structural approach in teaching of English.
- Q7 What do you know about communicative approach? Discuss basic assumption and necessities of linguistic communicative approach.
- Q8 Discuss the method of teaching prose. How can teaching of prose be made latter more appealing and more interesting? Elucidate. *Why teaching of prose in english is to be improved by*
- Q9 Define the term 'poetry'. Enlist some reasons advocated in favour of and against teaching English poetry in Indian schools. Mention some suggestions for improvement in teaching poetry. *the*
- Q10 What do you mean by teaching of composition? What factors in your opinion are to be kept in mind in the choice of a topic for composition? *it is the*
- Q11 What is the difference between formal and functional grammar? When and how will you teach formal grammar? *of Eng*
- Q12 What is guided composition? What are its advantages? How is guided composition different from free composition? *the*
- Ind*

Q13 Define the term poetry. What do you mean by pedagogical analysis? Make a Mega lesson plan on a poetry lesson by choosing a poem of your choice for class IX.

Unit-3

Q1 Define the term 'pronunciation'. What are the objectives of teaching pronunciation of English language? How can a teacher make improvement in pronunciation of students?

Q2 How will you develop elementary knowledge of English sounds among learner? Also highlight role of storytelling and games in developing skill of English language.

Q3 What are the various ways of developing the listening and speaking skills in the learning of a foreign language? How can a teacher develop these skills among the students?

Q4 What do you mean by 'stress', rhythm, intonation and patterns? Discuss its types and uses.

Q5 What is language laboratory? Explain the utility of language laboratory for teaching English language.

Q6 What do you mean by role playing method as a method of teaching? Describe its merits and demerits briefly.

Q7 What do you mean by authentic materials and multimedia? How is it useful in proving any study or educational materials?

Q8 Describe the mechanism of reading? Discuss the various teaching skills required for developing reading skills.

Q9 Enumerate the types of the reading. Describe silent and loud reading and its objectives.

Q10 Describe extensive and intensive reading. In what way is teaching of intensive reading different from extensive reading?

Q11 Write a detailed note on developing study skills including the sources using of dictionary, encyclopedia etc.

Unit-4

Q1 What do you understand by remedial teaching? Enumerate and discuss various remedial teaching strategies along with their significance.

Q2 What is feedback? How the parent-teacher conference is important for a student and what feedback comes out after this P.T.C?

Q3 Write the meaning of portfolio. How many types of student's portfolios are there?

Q4 Write the importance of continuous and comprehensive evaluation. Give the importance of oral test in English?

Q5 What do you mean by 'objective type test'? Discuss the different types of objective type tests by giving suitable examples.

Q6 What are open-ended questions? Write its advantages in student's continuous and comprehensive evaluation system.

Q7 What is problem solving in education? Write the steps which involved in problem solving and reflective thinking.

Q8 What is creative thinking? Discuss briefly the characteristic of creative expression or creative thinking.

Q9 What is self evaluation and peer evaluation? Discuss its importance in evaluation procedure.

Pedagogy of Social Studies

Unit-I

- Q1 Explain the meaning, scope and importance (nature) of social science. (Teaching of social science)
- Q2 Distinguish between aims and objectives and discuss in brief the main objective of teaching social studies at school level.

OR

What are the aims and objectives of teaching social science at secondary school stage in our country? Explain the importance of teaching social science to students at secondary school stage.

OR

- Q3 What do you understand by the term taxonomy of instruction objectives? Discuss Bloom's taxonomy of instruction objectives related cognitive domain of the behaviour.

OR

Discuss the taxonomy of instructional objective by Bloom.

- Q4 Discuss the meaning, sources and types of values.

OR

What do you understand by value education? How values can be inculcate with the help of education.

- Q5 Short note on:-

1. Write a brief note on the principles of the formation of social study subject.
2. Co-relation of social science with

-history

-Economics

-Civics

-Geography

-Sociology

-Mathematics

-Natural

Science

-Psychology

Unit-II

- Q1 What is meant by pedagogical analysis? What are the important steps of it in teacher training?
- Q2 Describe the size, location and physical features of India. Prepare a pedagogical analysis on this topic.
- Q3 Write pedagogical analysis on Indian Constitution.
- Q4 Disaster management
- Q5 French revolution
- Q6 Population
- Q7 Democracy in the contemporary world
- Q8 What do you understand by lesson-plan? What are the various steps of a lesson plan?
- Q9 What are the important functions of a lesson plan? What point should a teacher bear in mind while preparing a lesson plan?

Unit-III

- Q1 What is curriculum? What is its importance in the education process?
- Q2 What are the principles of preparing curriculum of teaching social studies? Critically examine the social studies curriculum of secondary classes of your state. Suggestion also.
- Q3 What is the traditional or subject-centered curriculum? Explain about the merits and demerits of subject-centered curriculum. (syllabus-focused curriculum)
- Q4 Approaches of organizing social science curriculum: Logical, Concentric, Spiral, and Chronological.
- Q5 Teaching-learning material:- Text-book, Reference books, Documentaries, Newspapers, Maps, Community, Atlas, e-resources. (Blog, world wide web and social networking)
- Q6 What should be the importance and qualities of a good text-book in social studies?

OR

Critically examine any text-book in social science that you have during your teaching practice.

- Q7 What do you mean by reference book? Through light on the importance and characteristics of a good reference book of social studies.
- Q8 Documentaries/ What do you mean by filmstrips or maps and its types.
- Q9 What do you understand by the skill of stimulus variation? Illustrate the process through a micro lesson-plan. (skill of explaining/ skill of illustration with example/skill of reinforcement/skill of questioning)
- Q10 Describe the various components of skill of questioning. How can the skill be developed through micro-teaching?

Unit-IV

- Q1 Describe briefly the utility of inquiry method/ discovery method in the study of social science.
- Q2 What is the meaning of story-telling technique? While narrating a story what points should be kept in mind by the pupil-teacher.
- Q3 What do you mean by lecture-cum-discussion method? What are the essential parts of this method? Discuss merits and demerits of this method.
- Q4 What do you mean by computer assisted instruction? Discuss its characteristics, merits and demerits in detail.
- Q5 What is survey method? Discuss its major steps in detail.
- Q6 Short note on – Field visit and Mapping.
- Q7 What is evaluation? Explain the types and importance of evaluation in the context of social science.
- Q8 What is continuous and comprehensive evaluation? Explain its importance and process in detail.
- Q9 Short note: - Question bank, Open book examination, grading and credit system.
- Q10 What do you mean by achievement test? Explain the different types and merits of achievement test.

OR

What is the importance of achievement test in the self evaluation of the students? How can the questions of this test be constructed? Discuss.

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DRONA COLLEGE OF EDUCATION

QUESTION BANK

PEDAGOGY OF MATHEMATICS

UNIT - I

1. What is mathematics? Describe its meaning along with its scope and nature.
2. What are the aims and objectives of teaching mathematics at secondary stage?
3. What do you understand by the term taxonomy of instructional objectives? Discuss the Bloom's taxonomy of instructional objectives related to cognitive domain of the behavior.
4. What do you understand by mathematical propositions? Explain its nature with the use of quantifiers and venn diagram.
5. Discuss the meaning of mathematics point the role of axioms, postulates and theorems in the structure of mathematics. Give example.
6. What is mathematical proof? Discuss in brief the various methods of direct and indirect proofs used in studying mathematics.
7. Explain the history of mathematics with special emphases on teaching of mathematics.
8. Explain the coexistence of precision and beauty in mathematics.
9. What do you understand by taxonomy of instructional objectives? Discuss Bloom's taxonomy of instructional objectives in context of psychomotor domain of behavior.

UNIT - II

1. Define the term curriculum and explain the objectives of curriculum.
2. What are the principles underlying the conduction of mathematics curriculum¹ in the secondary schools? Discuss.
3. What procedure would you bear in mind while developing a curriculum of mathematics as a member of the curriculum committee? Discus.
4. Which is the recent curriculum, reform at national state level explain and critically analyze them.
5. What do you understand by content analysis and pedagogical analysis? Explain how they both differ to each other.
6. What is pedagogical analysis? Analysis one the following topic pedagogical :-
 - Equations
 - Sets

7. Do pedagogical analysis of volume or trigonometry
8. Analyses pedagogically the topic ratio & proportion.
9. What do you understand by inducto-deductive method of teaching mathematics? Illustrate with examples.
10. What do you understand by the Analytic synthetic method? How will you use this method in teaching Geometry to class IX? Illustrate your answer with suitable example.
11. What is problem solving method? Discuss its various steps along with its merits and demerits in the teaching mathematics?
12. Discuss heuristic method of teaching of mathematics. Illustrate its application by giving suitable examples.

UNIT -III

1. What is a mathematics club? Discuss the importance of various recreational activities organized by the mathematics club in the school.
2. Write short notes on the following :-
 - (i) Set induction skill
 - (ii) Skill of reinforcement
3. Explain the importance of summer programs for the professional growth of mathematics teachers.
4. What do you understand by correspondence courses? Explain various modes of providing correspondence education.
5. Write notes on:-
 - (i) Mathematics fairs
 - (ii) Mathematics exhibition
6. What is mathematics laboratory? How will you establish a math lab in your school at secondary level?
7. What do you understand by recreational activities? Explain the importance of mathematical games, puzzles and riddles in maths and justify your answer with appropriate examples.
8. What is the application of ICT in teaching of mathematics? Explain its importance, need and merits.
9. Write a detailed note on the uses of audio visual aids in teaching of mathematics.
10. What do you understand by microteaching? Explain one of the following micro skills with an example on mathematics subject:-
 - (i) Probing question
 - (ii) Classroom management
 - (iii) Skill of illustration with examples

11. What is lesson planning? Write a detailed lesson plan on any topic of mathematics of class IX.

UNIT-IV

1. What do you mean by continuous and comprehensive evaluation? Also differentiate between criterion referenced test and norm referenced tests.
2. Write short notes on the following :-
 - (i) Role of mathematics teacher association in professional growth
 - (ii) Resource material in mathematics education
3. Write a detailed note on diagnostic testing and remedial teaching.
4. What do you understand by formative and summative evaluation? Discuss in detail.
5. What is professional growth of mathematics teacher? Describe various types of inservice programmes for professional growth of mathematics teachers.
6. Write a detailed note on the role of seminar/ conference/ workshop in the professional development of mathematics teachers.

Teaching of Computer Science

Q.1 Write short notes on the following:-

- a. Operating System.
- b. Development of Text Books.
- c. Meaning of Computer Laboratory.
- d. Summative Evaluation.
- e. Objective of Teaching Computer Science.
- f. Steps in preparation of Self-Instructional Material.
- g. Inductive-Deductive Method.
- h. Importance of Computer Science in School Curriculum.
- i. Types of Evaluation Devices used in Computer Science
- k. Uses and applications of computer

UNIT-I

Q.1 Write the main objectives of teaching computer science at the Secondary Level. What specific behavioral changes will you bring about in your pupil at this stage.

Q.2 Explain the Concept of Computer Science? What are the objectives of Teaching Computer Science at Secondary Stage? Discuss.

Q.3 What is the Computer Science? Explain importance, need and scope of computer Science at secondary stage.

Q.4 Define Instructional objectives. Discuss Bloom's Taxonomy of Educational objectives in Details.

Q.5 What is Bloom's taxonomy of Instructional Objectives? Discuss in details the taxonomy provided in the Cognitive Domain.

Q.6 Give a brief description about introduction to computers.

Q.7 What are input and output devices of computer? Explain various components of MS Office- 2007.

Q.8 What do you understand by computer viruses and security? Write about different measures to be taken for computer care and maintenance.

UNIT:II

Q.1 What do you understand by the Skill of Questioning? Illustrate the process of developing various components of this skill through a micro lesson.

Q.2 What is micro teaching? Explain the following skills in detail:-

- i. Skill of explaining
- ii. Skill of introducing the lesson

Q.3 Explain following methods of teaching computer science:-

- i. Project Method
- ii. Inductive Deductive Method

Q.4 Discuss the relevance of lecture cum demonstration method in Teaching of Computer Science.

Q.5 What are advance methods of teaching computer science? Explain advantages and disadvantages of online learning in detail.

Q.6 What is mobile learning? explain

UNIT-III

Q.1 What is computer Assisted Instruction ? Explain the different steps will you take to develop CAI.

Q.2 What is self Instructional Material ? Give an example of Self Industrial Material for teaching of computer Science prepared through linear programming.

Q.3 As a teacher of Computer Science ,How will you incorporate the various steps of planning the topic on 'MS Office'.

Q.4 What is computer assisted Instruction? How will you develop computer Assisted Instructional Material? Explain with Suitable Example example.

Q.5 What is Lesson Planning? Illustrate by selecting a topic of your choice from the secondary school computer science curriculum.

Q.6 While teaching a Computer Science at Secondary Level you must have taught same topics through project method. Mention that topics and Explain the various steps involved in carrying out the project. Write the project report.

Q.7 Describe the different steps you will take for designing a computer laboratory.

Q.8 Discuss the designing and management of computer laboratory.

Q.9 Describe the need and importance of computer laboratory.

Q.10 Describe Lecture Demonstration Method of Computer Science.

UNIT-IV

Q.1 Do Pedagogical analysis of any one of the following topics:

1. Input Devices
2. Networking
3. Types of computers

Q.2 Write notes on the following:

- a) Formative Evaluation.
- b) Types of tests used in Computer Science.

Q.3 Define Micro Teaching? Discuss the skill of stimulus variation by taking suitable example.

Q.4 Explain the concept and importance of evaluation .Difference between Formative and Summative Evaluation.

Q.5 What is micro teaching? Describe the various components of questioning skill.

Q.6 What is achievement test? Discuss the various attributes of good achievement test.