

D 73071



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Name.....

Reg. No.....

FIRST SEMESTER B.Ed. DEGREE EXAMINATION, NOVEMBER 2019

B.Ed.

EDU 05.12—THEORETICAL BASES OF TEACHING PHYSICAL SCIENCE

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 2 marks.

1. What is type study in curriculum design ?
2. What is the difference between inductive and deductive method of teaching.
3. What are Bloom's classifications of objectives under affective domain ?
4. Name any four teaching skills required for Science teaching.
5. Write process skills under process domain in Mc. Cormark and Yager Taxonomy.
6. Give two aspects of recreational values of Science.
7. Bring out two instances where Physical science can be correlated with Language and Geography.
8. Write two components of 'skill of illustration'.
9. Give any two principles of Dalton plan.
10. List the advantages of Supervised Study.

(10 × 2 = 20 marks)

Part B

Answer any ten questions.

Each question carries 4 marks.

11. Write a short note on CHEM study.
12. Explain the interdependency of Science both as a process and product.
13. What do you mean by the term objective based instruction ?
14. How will you develop scientific attitude in your students.

Turn over

15. Briefly explain the principles of Curriculum Development.
16. Briefly explain any Digital Taxonomy.
17. Write a short note on PBL.
18. How do you participate in a panel discussion ?
19. State the benefits of Mnemonics.
20. Explain any two small group techniques for providing group controlled learning experience.
21. Write a short note on systematic correlation.
22. Distinguish between project method and individualised laboratory method.

(10 × 4 = 40 marks)

Part C

Answer any two questions.

Each question carries 10 marks.

23. Explain the major approaches to Science curriculum construction.
24. What is the importance of teaching Science as a school subject ? Mention the practical, vocational, moral and recreational functions of Science.
25. What is problem solving method ? What are the different steps involved in it.

(2 × 10 = 20 marks)