

C 3408

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER B.Ed. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2021**

B.Ed.

EDU 09.12—PEDAGOGIC PRACTICES IN PHYSICAL SCIENCE

(2017 Syllabus)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer all questions.**Each question carries 2 marks.*

1. Point out any *four* uses of Physical Science textbooks.
2. Give the difference between instructional and nurturant effects of models of teaching.
3. How is a supplementary reader different from a reference book in science ?
4. List any *two* learning outcomes of the topic "Refraction of light".
5. What do you mean by banking concept of education ?
6. Write the benefits of planning in the teaching of Physical Science ?
7. Mention the features of debate.
8. What are the merits of audio visual aids in the learning of Physical science ?
9. Construct any *two* higher order test items based on any topic in Physical Science.
10. What are the uses of museums in the learning of Physical science ?

(10 × 2 = 20 marks)

Part B*Answer any ten questions.**Each question carries 4 marks.*

11. Write a short note on the recent changes in Physical science teaching in the state of Kerala.
12. Suggest any *two* learning activities that you would select to teach the topic "Electroplating".
13. Describe the meaning and importance of content analysis.

Turn over

14. What do you mean by unit planning ? Give the format of a unit plan.
15. Explain the role of teacher in Inquiry Training Model.
16. Explain the precautions to be taken by the teacher to avoid accidents in the Physical Science laboratory.
17. Discuss the significance and features of teacher texts.
18. Briefly explain the different functions of evaluation.
19. Describe the elements of a concept with the help of suitable examples.
20. What are the steps involved in the construction of an achievement test.
21. How can you organize science exhibition in your school ? Mention the merits of science exhibition.
22. How will you describe a model of teaching ? Explain.

(10 × 4 = 40 marks)

Part C

*Answer any two questions.
Each question carries 10 marks.*

23. "Educational diagnosis is an important factor in modern education". Substantiate. Explain the construction of diagnostic test.
24. Discuss the meaning and objectives of Pedagogic analysis. Give pedagogic analysis of any unit in Physics / Chemistry at Secondary School Level.
25. What are the important library resources for Science ? Describe the main objectives and organization of science library.

(2 × 10 = 20 marks)