

523971

D 102699

(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER B.Ed. DEGREE EXAMINATION, APRIL 2024

B.Ed.

EDU 09.12—PEDAGOGIC PRACTICES IN PHYSICAL SCIENCE

(2017 Scheme)

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer all questions.*

*Each question carries 2 marks.*

1. Differentiate concept and fact.
2. Write any *four* learning outcomes on the topic 'chemical reactions'.
3. Design a group activity to motivate pupils to understand the concept of 'thrust'.
4. Describe the meaning and importance of pedagogic analysis.
5. What is a Lesson Plan ?
6. Mention two features of good physical science laboratory.
7. Differentiate reference book and supplementary books.
8. Write any *two* basic elements to describe a model of teaching.
9. List two objective type questions for the topic 'force'.
10. Define Blueprint.

(10 × 2 = 20 marks)

**Part B**

*Answer any ten questions.*

*Each question carries 4 marks.*

11. What learning experiences will you provide to your pupils to enable them to differentiate between alternating current and direct current ?
12. Write a short note on critical pedagogy.
13. Briefly explain the elements and methods of content analysis.

**Turn over**

523971

14. Suggest a way introduce a lesson on "Chemical Changes" ?
15. Explain how to organise science debate effectively in a science class.
16. Discuss the need of using audio visual technology and mass media in physical science class room with examples.
17. Problems faced by teachers in utilising various learning resources can be solved by the teachers themself. Discuss.
18. Discuss the relevance of organizing field trips and study tours to places of scientific importance.
19. Give a brief note on the steps involved in the construction of diagnostic test.
20. Explain different test items used for assessment with examples from physical science.
21. Explain the syntax and significance of inquiry Training Model in science classroom.
22. How will you assess the prerequisites of students on the concept "Work" ? Elaborate.

(10 × 4 = 40 marks)

### Part C

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

23. Validate the importance of planning in the teaching of physical science. Explain the objectives and types of planning.
24. Discuss how would you involve students in planning and carrying out activities and laboratory work. Illustrate taking an example of any concept/topic.
25. What are the different community-based resources ? Explain.

(2 × 10 = 20 marks)