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Name.....

Reg. No.....

SECOND SEMESTER B.Ed. DEGREE EXAMINATION, APRIL 2022

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. Write any *two* assumptions on which Inquiry Training Model is based.
2. Suggest any *two* follow-up activities you will give to your students after teaching the topic "Lens".
3. What are selection type and supply type test items. Give one example for each.
4. Give the difference between work book and hand book.
5. Point out the importance of question wise analysis.
6. Mention the importance of planning teaching-learning experiences in the teaching of Physical Science.
7. Enumerate any *four* functions of a model of teaching.
8. Suggest a topic for a debate in science and write the significance of the debate in the learning of Physical Science.
9. Write any *two* objectives of organizing science library in your school.
10. What first aid will you give a student who suffers from acid burns ?

(10 × 2 = 20 marks)

Part B

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

11. What do you mean by pedagogic analysis ? List any *four* objectives of pedagogic analysis.
12. What are the important registers to be maintained in a Physical Science laboratory ? Explain.

Turn over

13. "Community resources have a great significance in science teaching". Justify with suitable examples.

14. What are the advantages of essay type test items? How will you prepare a good short answer type test item ?

15. Describe the syntax of Inquiry Training Model.

16. Write any *two* suggestions to reduce the subjectivity of essay type test items.

17. What are improvised aids ? Give one example. Discuss its merits.

18. Prepare content analysis of any topic in Physics or Chemistry.

19. Write a short note on Information Processing models.

20. Point out any four functions of a Physical Science text book.

21. How will you organize a Physical Science club in your school ? Give the educational values of Physical Science club.

22. Mention the salient features of constructivist learning design.

(10 × 4 = 40 marks)

Part C

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

23. What is a lesson plan ? How is it different from a unit plan ? Give the characteristics of a good lesson plan. Describe the steps involved in the lesson planning.

24. What are the characteristics and functions of an achievement test ? Describe the steps involved in the construction of an achievement test.

25. Develop a lesson transcript for forty minutes duration on any topic from Physics / Chemistry based on Concept Attainment Model.

(2 × 10 = 20 marks)