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Name.....

Reg. No.....

**SECOND SEMESTER B.Ed. DEGREE (2017 SCHEME) EXAMINATION
APRIL 2022**

B.Ed.

EDU 09.11—PEDAGOGIC PRACTICES IN NATURAL SCIENCE

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 2 marks.

1. Differentiate between aims and objectives.
2. Mention any four broad objectives of Science club.
3. Enumerate the functions of supplementary readers in science learning.
4. Define a Learning resource. Give examples.
5. What is the role of Specimens in learning Biology ?
6. Write any four differences between behaviourist approach and constructivist approach.
7. What is CCE ?
8. What precautions will you take in the science laboratory to avoid accidents ?
9. Give suggestions for constructing matching type test items.
10. What are the advantages of reference materials ?

(10 × 2 = 20 marks)

Part B

Answer any ten questions.

Each question carries 4 marks.

11. What are the essential qualities of a good test ?
12. Describe the significance of using teaching aids in biology.
13. Analysis of content is very significant to ensure the effectiveness of learning. Justify your answer by citing a topic from High School Biology.
14. Write down the differences between achievement test and diagnostic test.

Turn over

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15. Who developed the Taxonomy of Science Education ? List down the major domains.
16. List out the points to prepare a better power point presentation.
17. What is a blue print ? Why is it necessary to prepare a blue print ?
18. List down the basic Process skills in science.
19. Briefly describe the activity aids which can be used in the teaching of life science.
20. What is the importance of year planning ? Prepare the format of year plan in biology ?
21. Describe the steps involved in the preparation of a resource unit

(10 × 4 = 40 marks)

Part C

Answer any two questions.

Each question carries 10 marks.

22. Explain the Revised Bloom Taxonomy of Educational Objectives by Anderson and Krathwohl (2001) ? How far it is different from that of Bloom's Taxonomy (1956) ?
23. Prepare a constructivist lesson plan based on any one of the following topics from High School Biology :
 - a) Animal Cell(Std VIII).
 - b) Conduction of water in plants(Std IX).
24. State the importance of field trips in the teaching of Natural Science. With the help of a suitable example, explain how you will organize and execute a field trip for teaching Natural Science.

(2 × 10 = 20 marks)