

D 43093

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Name.....

Reg. No.....

SECOND SEMESTER B.Ed. DEGREE EXAMINATION, MAY 2018

Education

Optional Course II—EDU 09.11—PEDAGOGIC PRACTICES IN NATURAL SCIENCE

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 2 marks.

1. Describe the need for lesson planning ?
2. Give any two criteria for evaluating an assignment.
3. Distinguish objective and specification.
4. What is the role of teacher's hand book in teaching Biology.
5. Briefly explain Objective based evaluation.
6. Give any four process skills in science.
7. Name the registers to be kept in the science laboratory.
8. Write any two ways to promote library use among students.
9. Give the advantages of improvised teaching aids.
10. Write the advantages of using specimens in life science teaching.

(10 × 2 = 20 marks)

Part B

Answer any ten questions.

Each question carries 4 marks.

11. List out different types of resources for teaching Biological science.
12. Explain a resource unit.
13. What are the different laboratory rules that are to be emphasized while conducting the experiments to test the presence of carbohydrates.
14. Give a brief outline of the steps in the construction of an achievement test in Biology.
15. Distinguish between a unit plan and an year plan.

Turn over

16. 'Constructivism as a theoretical backing for Natural Science education'. Explain.
17. Briefly explain the role of Co- curricular activities in learning Biology .
18. Mention any four objectives of NatureRambling.
19. 'Multimedia can be effectively used in Natural Science teaching' —Justify the statement with examples.
20. Write a note on process skills in science at secondary stage.
21. How will you organize a Science Club ?
22. Describe Mc Cormack and Yager's Taxonomy of Science Education.

(10 × 4 = 40 marks)

Part C

Answer any two questions.

Each question carries 10 marks.

23. Explain the revised Blooms taxonomy of educational objectives.
24. Critically examine and evaluate the present VIII standard Biology text book in Kerala State.
25. 'Use of multimedia and ICT make Natural Science teaching effective'-Substantiate.

(2 × 10 = 20 marks)