

C 23693

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Name.....

Reg. No.....

SECOND SEMESTER B.Ed. DEGREE EXAMINATION, JUNE 2017

Education

EDU 09 : 11—PEDAGOGIC PRACTICE IN NATURAL SCIENCE

(2015 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part I

Answer all questions.

Each question carries 2 marks.

1. Distinguish between achievement test and diagnostic test.
2. List any *four* broad national goals in teaching life science.
3. Which are the five domains coming under Me Cormack and Yager's system of classification ?
4. Define teaching skills.
5. What is objective based instruction ?
6. Differentiate between unit plan and year plan.
7. What is link practice ?
8. State any *four* science library rules.
9. What is a blue print ?
10. List the components of the skill "Stimulus Variation".

(10 × 2 = 20 marks)

Part II

Answer any ten questions.

Each question carries 4 marks.

11. Briefly explain the Revised Bloom's Taxonomy (2001).
12. Briefly explain the major process skills in science.
13. Explain the relevance of microteaching in skill development.
14. Enumerate the phases of Inquiry Training model.
15. Discuss the significance of Pedagogic analysis. Select a topic in biology and analyse it into its components.

Turn over

16. Give suitable assignments for the topic "conservation of natural resources".
17. As a science teacher, how will you prepare an achievement test in Biology ?
18. Discuss the stem and option part in a multiple choice test items. Prepare a good multiple choice question with four options.
19. Write any *four* activities that promote biological interest in students.
20. Explain the need and significance of planning in teaching.
21. Distinguish between Expository and Comparative organizers in Advance Organizer Model
22. Explain the components of skill of Black board writing. How would you organize science fair in your schools ?

(10 × 4 = 40 marks)

Part III

Answer any two questions.

Each question carries 10 marks.

23. Write a lesson plan in constructivist format for any topic in standard VIII Biology.
24. How will you organize a science club in your school ? Discuss the need and importance of science clubs in learning science. Explain different science club activities at secondary level.
25. Prepare a lesson plan based on Concept Attainment Model from any of the topic from secondary school biology.

(2 × 10 = 20 marks)