

C 3407

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Name.....

Reg. No.....

**SECOND SEMESTER B.Ed. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2021**

B.Ed.

EDU 09.11—PEDAGOGIC PRACTICES IN NATURAL SCIENCE

(2017 Syllabus)

Maximum : 80 Marks

Time : Three Hours

Part A

*Answer all questions.
Each question carries 2 marks.*

1. State any two Instructional objectives of science under Affective domain. Mention the specific behaviours.
2. What is the role of textbook in teaching-learning of Biology ?
3. Give two science club activities that promote process skill development.
4. Differentiate between selection type item and supply type item in evaluation with examples.
5. What information does a teacher's Hand book should contain ?
6. What are the shifts in role of a learner in Constructivist pedagogy ?
7. Explain any two activities connected with the teaching of Biology which promotes the use of library.
8. Mention any two types of Biological drawings at high school classes.
9. Differentiate between scoring key and marking scheme.
10. "Teacher should be a scaffolder"- Comment.

(10 × 2 = 20 marks)

Part B

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

11. Bring out the interrelationship among Objectives, Learning experience and Evaluation.
12. Why is it important for a teacher to carry out Diagnostic evaluation ?
13. List out the major objectives of organizing a science fair.

Turn over

14. 'Planning is a key to good teaching'. Discuss.
15. Mention the major ideas of Constructivism in science education.
16. Write down the major concepts you will develop when teaching the topic 'Human Skeletal System'.
17. What do you mean by Pedagogical Analysis ? Explain its significance in the teaching of Biology.
18. Analyse the content of the topic 'Chemistry of Photosynthesis'.
19. Enumerate the functions of CCE.
20. Write down the evaluation criteria for a project in Biology.
21. List down the type of registers maintained in a science laboratory.

(10 × 4 = 40 marks)

Part C

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

22. Select any one of the following topics and prepare a constructivist lesson plan based on the revised Blooms Taxonomy :
 - a) Human Respiratory system- Standard IX.
 - b) Plant Cell-Standard VIII.
23. Life Science is considered as one of the major disciplines influencing human life and its development. Discuss in light of the broad national goals of teaching Natural Science.
24. Explain the steps in the construction of an Achievement test in biology by selecting a topic from secondary school textbook.

(2 × 10 = 20 marks)