

**B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, JUNE 2017****Second Semester****EDU 204-18—PEDAGOGICAL DIMENSIONS OF NATURAL SCIENCES**

(Regular/Supplementary—2015 Admission onwards)

Time : Two Hours

Maximum : 50 Marks

**Part A**

*Answer all questions.  
Each question carries 1 mark.*

1. What is an instructional objective ? Give an example.
2. Write any two merits of CCE.
3. What is Cardiac arrest ?
4. Write any two domains from McCormack and Yager classification.
5. What is 'Schema' ?
6. Write any two advantages of multiple choice test items.
7. Write any two merits of lesson planning.
8. What you mean by 'Virtual classroom' ?
9. Name any two communicable diseases.
10. What is absolute grading ?

(10 × 1 = 10 marks)

**Part B**

*Answer any five questions in about half a page each.  
Each question carries 2 marks.*

11. Differentiate between aims and objectives.
12. How an unit plan helps teachers ?
13. Explain the term "techno-pedagogue".
14. What is summative evaluation ? Give an example.
15. List any two merits of web based learning.
16. List the steps of Herbartian lesson planning.

(5 × 2 = 10 marks)

**Turn over**

**Part C**

*Answer any five questions in about one page each.  
Each question carries 4 marks.*

17. Explain the components under cognitive domain with suitable examples.
18. What are the major points to be considered while preparing multiple choice test items ?
19. Explain the importance of diagnostic test.
20. Explain the various means to link technology with classroom teaching-learning process.
21. Write a suitable introduction to teach "Osmosis".
22. Explain the classification of test items.
23. Content analysis is the "life blood of lesson planning"—Justify ?

(5 × 4 = 20 marks)

**Part D**

*Answer any one question in about four pages.  
The question carries 10 marks.*

24. Compare the cognitive development theory of Piaget with social development theory of Vygotski. Write the educational implications of both theories.
25. Prepare a constructivist format lesson plan on any one of the topics from present 8<sup>th</sup> Standard Biology text book.

(1 × 10 = 10 marks)