

G 4700

(Pages : 2)

Reg. No.....

Name.....

B.Ed. DEGREE (CREDIT AND SEMESTER) EXAMINATION, APRIL 2019

Second Semester

EDU 204.17—PEDAGOGICAL DIMENSIONS OF PHYSICAL SCIENCE

(2018 Admission onwards)

[Regular]

Time : Two Hours

Maximum : 50 Marks

Part A

*Answer all questions in one or two sentences each.
Each question carries 1 mark.*

1. Give the criteria for the evaluation of a seminar.
2. What is critical pedagogy ?
3. Write any *two* specifications coming under the objectives 'understanding'.
4. Mention *two* process skills in Science.
5. What is year plan ?
6. List any *two* advantages of essay type questions.
7. Write a life situation you may use to teach the topic 'Newton's third law of motion'.
8. What is 'Oxidation Reaction' ? Give an example.
9. Mention any *two* educational implications of cognitive constructivism.
10. What do you mean by student self evaluation ?

(10 × 1 = 10 marks)

Part B

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

11. Briefly explain the purpose of lesson planning.
12. What do you mean by critical pedagogy ?
13. Mention any *two* educational implications of behaviourism.
14. Write any *four* criteria for the evaluation of project.
15. What do you mean by teacher competency ?
16. What is meant by remedial teaching ?

(5 × 2 = 10 marks)

Turn over

Part C

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

17. Discuss how a teacher can act as a techno-pedagogic.
18. Briefly explain social constructivism theory.
19. Explain the Herbartian steps of lesson planning.
20. How can a Science teacher help students grasp the idea of 'Electromagnetic Induction'?
21. Write the content analysis of the topic 'Acids'.
22. Briefly explain the steps in the construction of an achievement test.
23. Describe briefly the theory of Multiple Intelligence.

(5 × 4 = 20 marks)

Part D

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

24. What is grading? Discuss the merits and demerits of grading system.
25. Prepare a lesson for a period of 45 minutes on a topic of your own choice from physical science.

(1 × 10 = 10 marks)