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(Pages : 2)

Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, DECEMBER 2018

First Semester

EDU 105.17—LEARNING TO FUNCTION AS PHYSICAL SCIENCE TEACHER

(Two Year Course—2018 Admission onwards)

Time : Two Hours

Maximum : 50 Marks

Part A

Answer all questions in one or two sentences each.

Each question carries 1 mark.

1. Mention any *two* demerits of lecture method that could be overcome using lecture-cum-demonstration method.
2. Define Co-operative learning.
3. Give any *two* differences between Inductive and Deductive Approach.
4. What do you mean by brain based learning ?
5. What is the major psychological principle behind mapping strategies of learning ?
6. What is the difference between drill work and simulation ?
7. What will you do if a student does not know the answer for your question ?
8. Mention the major difference between pedagogical knowledge and content knowledge.
9. List any *two* types of assignment.
10. Suggest two pedagogical skills that can support learning in Physical Science.

(10 × 1 = 10 marks)

Part B

Answer any five questions in about half a page each.

Each question carries 2 marks.

11. Which maxim of teaching is used in the Inductive approach ? Justify.
12. What do you mean by "slow learner" ? How can you identify a slow learner ?
13. Mention the characteristics of concept mapping.

Turn over

14. How does a teacher use project method in a physical science classroom ?
15. Give the components of the microteaching skill "stimulus variation".
16. Suggest any *four* instances to promote culturally inclusive classroom environment.

(5 × 2 = 10 marks)

Part C

Answer any five questions in about one page each.

Each question carries 4 marks.

17. What is team teaching ? List the advantages and demerits.
18. Write short notes on any *four* ICT enabled skills.
19. Compare analytic and synthetic approaches in learning.
20. Mention the contributions of think pair as a differentiated strategy for inclusiveness.
21. Explain the significance of pedagogical competence for skill development.
22. Briefly explain the motivational techniques in teaching physical science.
23. Explain the procedure of conduction a brain storming session.

(5 × 4 = 20 marks)

Part D

Answer any one question in about four pages each.

Each question carries 10 marks.

24. Describe the steps of Scientific Method with suitable examples. Briefly explain the elements of Scientific Method.
25. Define Microteaching. Explain the phases of microteaching and draw the cycle. Mention the core teaching skills.

(1 × 10 = 10 marks)