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(Pages : 2)

Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, DECEMBER 2016

First Semester

Pedagogic Course

EDU 105.17—LEARNING TO FUNCTION AS PHYSICAL SCIENCE TEACHER

(2015 Admission onwards [Two Year Course])

[Regular/Supplementary]

Time : Two Hours

Maximum : 50 Marks

Part A

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

1. Give an example for the maxim of learning - "Concrete to Abstract".
2. Write the rule which you consider most important about "Brain Storming".
3. What is co-operative learning ?
4. Define pedagogy.
5. Give the names of any *two* learning disabilities.
6. List the phases of micro teaching.
7. Give a definition of Project method.
8. What is the basic principle involved in Heuristic Method ?
9. Give *two* examples for ICT enabled skills.
10. Give an instance in Science teaching where Drill work can be effectively utilized.

(10 × 1 = 10 marks)

Part B

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

11. Give any *one* motivational technique. How can you apply this in Science teaching ?
12. Give any *two* differences between inductive and deductive approaches of teaching Science.
13. Distinguish between Inquiry and Discovery approaches.

Turn over

14. Define Scientific Method. List the steps of Scientific Method.
15. What is reflective journaling ?
16. Distinguish between slow learners and under achievers.

(5 × 2 = 10 marks)

Part C

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

17. Define Problem Based learning. Illustrate the steps of this strategy by taking an example from High School Science content.
18. Illustrate concept mapping with an example.
19. Why do we use "Mill's Canons of Induction"? State any *one* canon and illustrate it with an example.
20. Give any *five* problems that may occur in the classroom during teaching-learning process. What classroom management skill can be used in each of the five cases ?
21. Prepare a micro lesson on the skill of black board writing. What are the components of this skill ?
22. What do you mean by a culturally inclusive classroom ?
23. What is team teaching ? What are its merits and demerits ?

(5 × 4 = 20 marks)

Part D

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

24. Describe Dalton Plan in detail. List any *four* difficulties we may face if we implement it in our educational system in Kerala.
25. Describe Brain based learning in detail.

(1 × 10 = 10 marks)