F 7652 (Pages : 2) Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, NOVEMBER 2017

First Semester

Pedagogic Course

EDU 105·17—LEARNING TO FUNCTION AS PHYSICAL SCIENCE TEACHER

(Two Year Course—2015 Admission onwards)

[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 any one difference between process approach and product approach of teaching.
2. Give any two demerits of lecture method that could be overcome using lecture-cum-demonstration method.
3. How is Experiment different from Observation ?
4. List any two types of projects.
5. What is the main difference between' a debate and a brainstorming session ?
6. What is the major psychological principle behind mapping strategies of learning ?
7. What is the difference between content knowledge and pedagogical knowledge ?
8. What types of learning experiences are suitable for abstract conceptualization learning style ?
9. What will you do if a student does not know the answer for your question ?
10. What is the difference between real teaching and micro teaching ?

(10 × 1 = 10 marks)

Part B

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

11. Give any two core principles that support Brain Based Learning.
12. What form of question do you use for diagnostic test ? Why ?
13. Which maxim of teaching is used in the inductive approach ? Justify.

Turn over

14. How is individual study made possible in Supervised Study ?

15. What are the basic principles of concept mapping ?

16. What do you mean by "slow learner" ? How can you identify a slow learner ?

(5 × 2 = 10 marks

Part C

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

17. Compare the analytic and synthetic approaches in learning.

18. How can you conduct a brain storming session in a science class ? Explain the preparations and manner of conducting the session.

19. What is peer tutoring ? List the advantages and demerits.

20. What steps can you take in the classroom to promote a culturally inclusive classroom environment ?

21. Write short notes on any four ICT enabled skills.

22. Describe the significance of Historical Method of teaching in Science with appropriate examples.

(5 × 4 = 20 marks)

Part D

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

23. Describe Mill's Canons of Induction with supporting examples.

24. Describe the VAK model of learning style.

(1 × 10 = 10 marks)