5913 (Pages : 2) Reg. No.....

Name.....

.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, NOVEMBER 2019

First Semester

EDU 105.17—LEARNING TO FUNCTION AS PHYSICAL SCIENCE TEACHER

(2018 Admissions—Regular / Supplementary)

e : Two Hours Maximum : 50 Marks

Part A

Answer **all** *questions in one or* **two** *sentences each.*

Each question carries 1 *mark.*

1. Write any *one* merit of Heuristic Method.
2. Define Drill work.
3. Give any *two* difference between Peer factoring and team teaching.
4. Give an example of problem solving.
5. What is meant by Link Practice?
6. Give any *two* Pedagogical skills that support learning in Physical Science.
7. Mention two motivational techniques in teaching Physical Science.
8. Give any *two* demerits of project method.
9. How is Experiment different from Observation?
10. List any *two* difference between Content knowledge and Pedagogical knowledge.

(10 × 1 = 10 marks)

Part B

Answer any **five** *questions in about* **half-a-page** *each.*

Each question carries 2 *marks.*

11. Give an example for Debate. Why do you consider it as a technique of teaching Physical Science?
12. How does a teacher use Lecture-cum-Demonstration method in a Physical Science classroom ?
13. List any *four* characteristics of Co-operative learning.
14. Give any *four* instances to promote culturally Inclusive Classroom Environment.
15. Give any *four* implications of Flexible Grouping for inclusiveness.
16. Write any *two* core principles that support Brain Based Learning.

(5 × 2 = 10 marks)

Part C

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

17. What do you mean by concept mapping? What are the basic principles of concept mappi
18. Explain the significance of supervised study as a technique of teaching Physical Scie How is individual study made possible in supervised study?
19. Write short note on the significance of Pedagogical Competence.
20. Give a brief outline of Reflective Journaling.
21. Describe Maxims of learning.
22. How can you conduct a brain storming session in a Science Class? Explain the procedure conducting the session.
23. List the advantages and demerits of Peer tutoring.

(5 × 4 = 20 mark

Part D

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

24. Describe the phases and characteristics of Micro-Teaching. Explain the micro teaching cycl Mention the core teaching skills.
25. Describe and Illustrate Mill's Canons of Induction.

(1 × 10 = 10 mark