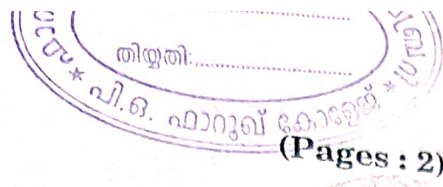(Pages : 2)

Name..............................

Reg. No..............................

FIRST SEMESTER B.Ed. DEGREE EXAMINATION, NOVEMBER 2021

B.Ed.

EDU 05.12—THEORETICAL BASES OF TEACHING PHYSICAL SCIENCE

(2017 Scheme)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.
Each question carries 2 marks.

1. Write two examples of correlation of Physical Science with life and environment.

2. What are the various stages of brainstorming technique ?

3. Name the different kinds of project.

4. What are the main specifications coming under the objective 'attitude' ?

5. Write about any two small groups teaching techniques.

6. Write the difference between aim and objective.

7. State the limitations of project method.

8. What do you mean by Integrated Curriculum ?

9. State the requisites of a good demonstration.

10. Differentiate method and strategy.

(10 × 2 = 20 marks)

Part B

Answer any ten questions.
Each question carries 4 marks.

11. Discuss the importance of graphic organizers in teaching Physical Science.

12. Explain the core teaching skills required in Physical Science teaching.

13. Write the distinction between incidental and systematic correlation.

14. Write down the characteristics of Dalton plan.

15. What are the principles of brainstorming ?

Turn over

16. Briefly explain the foundations of curriculum development.

17. What are the qualities of a person who possess scientific attitude ?

18. What is an analogy ? What are the advantages of using analogy in Science class ?

19. Define micro teaching. Describe any three micro teaching skills.

20. Write a short note on individualised laboratory method.

21. Explain the phases of a 'lecture'.

22. How concept map differ from mind map ?

(10 × 4 = 40 marks)

Part C

Answer any **two** *questions.*
Each question carries 10 marks.

23. Explain the concept of correlation. Illustrate with examples the incidental and systematic correlation of Physical Science with Biology, Geography and Mathematics in the curriculum.

24. Explain project method. What are the different steps involved in it.

25. Explain briefly Bloom's Taxonomy of educational objectives.

(2 × 10 = 20 marks)