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Name.....

Reg. No.....

**FIRST SEMESTER B.Ed. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2020**

B.Ed.

EDU 05.12—THEORETICAL BASES OF TEACHING PHYSICAL SCIENCE

(2017 Syllabus Year)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 2 marks.

1. Give any two criteria of a good demonstration.
2. What is link practice ?
3. What do you mean by the term blended learning ?
4. Write any two physical science curriculum reforms.
5. Write two specifications in the application level of Bloom's Taxonomy related to subject of your study.
6. Mention any two features of Dalton plan.
7. Suggest any two skills to be developed through Science teaching.
8. Write the difference between curriculum and syllabus.
9. Write any two advantages of lecture demonstration method.
10. Differentiate seminar and symposium.

(10 × 2 = 20 marks)

Part B

Answer any ten questions.

Each question carries 4 marks.

11. Outline the objectives of PSSC.
12. Discuss the different phases involved in the micro-teaching process.
13. Bring out two instances each where Physical Science can be correlated with Music and Craft.
14. Write down the objectives under conative domain in Bloom's Taxonomy.

Turn over

15. What are the features of a good project ?
16. Explain the disciplinary function of Science.
17. Distinguish between spiral approach and concentric approach in curriculum organisation.
18. Explain the maxims of teaching.
19. Write down the components of 'skill of reinforcement'.
20. Write the differences between Bloom's Taxonomy and its revised form.
21. Explain the skills associated with the delivery of a lecture.
22. What is the significance of mind mapping in Science teaching ?

(10 × 4 = 40 marks)

Part C

Answer any two questions.

Each question carries 10 marks.

23. What is meant by curriculum ? Discuss the basic considerations in curriculum planning.
24. Explain the revised Bloom's Taxonomy of educational objectives and its application in constructivist classroom.
25. How will you manage group planning in your class ? Mention some methods and techniques for teaching Physical Science in the classroom.

(2 × 10 = 20 marks)