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Reg. No. : .....

Name : .....

Third Semester B.Ed. Degree Examination, June 2022

EDU – 13.8 EMERGING TRENDS AND PRACTICES IN PHYSICAL SCIENCE EDUCATION

(2019 Admission Onwards)

Time : 2 Hours Max. Marks : 50

PART – A

Answer **all** questions by selecting the most appropriate **one** from the options

1. Who proposed think pair share strategy?
   (a) Frank Lyman
   (b) Robert Glaser
   (c) Elliot Aronson
   (d) Richard Suchman

2. Kolbe's reflective model is also referred to as
   (a) blended learning
   (b) experiential learning
   (c) brain based learning
   (d) circle learning

3. Which among the following is not a technique for reflective practice?
   (a) student feedback
   (b) video recording
   (c) journaling
   (d) cooperative learning

4. A scoring guide used to evaluate the quality of students.
   (a) checklist
   (b) rubrics
   (c) rating scale
   (d) inventory

5. Which of the following is not a function of diagnostic test?
   (a) to provide remedial teaching
   (b) to locate the learning difficulties
   (c) to identify current level of knowledge
   (d) to rank the students

(5 × 1 = 5 Marks)

PART – B

Answer **all** questions. Each question carries **1** mark.

6. What do you mean by peer evaluation?

7. Define blended learning.

8. What is a Rubric?

9. Why is reflection important for a teacher?

10. List out any two c-learning resources.

(5 × 1 = 5 Marks)

PART – C

Answer **all** questions. Each question carries **2** marks.

11. Write any two core principles that support brain based learning.

12. How can you address a slow learner in a class?

13. What is experiential learning approach?

14. Mention the characteristics of concept mapping.

15. What is digital text?

(5 × 2 = 10 Marks)

PART – D

Answer any **four** questions. Each question carries **5** marks.

16. Explain the procedure of conducting jigsaw technique in science learning.

17. How will you assess the process skills in physical science?

18. Briefly describe the modes and means of reflective practices in instruction.

19. Mention the contributions of think pair share as a strategy for students with special educational needs.

20. Briefly describe a rubric for assessing an assignment in physical science.

21. Explain Schon's reflective model

(4 × 5 = 20 Marks)

PART – E

Answer any **one** question. The question carries **10** marks.

22. What is achievement test? Explain the steps involved in the construction of an achievement test.

23. What is an E-content? Explain the development of an E-content with the help of a topic from Physical science.

(1 × 10 = 10 Marks)

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