

Reg. No. :

Name :

Third Semester B.Ed. Degree Examination, February 2024

**EDU 13.7 : EMERGING TRENDS AND PRACTICES IN MATHEMATICS
EDUCATION**

(2019 Admission Onwards)

Time : 2 Hours

Max. Marks : 50

PART – A

Select the most appropriate answer from the brackets. Answer **all** questions.

1. The extent to which the test measures what it does measure is termed as _____
(a) Validity (b) Reliability
(c) Practicability (d) Objectivity
2. The test that is used to find the achievement of learner is _____
(a) Criterion test (b) Achievement test
(c) Diagnostic test (d) None of these
3. Which of the following is a modern instructional approach for learning
(a) Jigsaw technique (b) Inductive learning
(c) Project based learning (d) None of these
4. Which of the following is not an online assessment tool for mathematics
(a) Quizizz (b) Nearpod
(c) Kahoot (d) Rubric

P.T.O.

5. The truthfulness of a test is termed as _____
- (a) Validity (b) Reliability
(c) Objectivity (d) Practicability

(5 × 1 = 5 Marks)

PART – B

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

6. Define blended learning.
7. What do you mean by objectivity of a test?
8. Define reflective practice in education.
9. Write any two merits of online learning.
10. What do you mean by an e-content in mathematics?

(5 × 1 = 5 Marks)

PART – C

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

11. Write any two demerits of objective type test items.
12. Briefly explain the concept of remedial teaching.
13. Distinguish between process evaluation and product evaluation.
14. What are digital textbooks?
15. Write any two objective type questions from high school mathematics content.

(5 × 2 = 10 Marks)

PART – D

Answer any **four** questions in **1** page.

16. Define reflective practice in education. What are its principles?
17. What are the characteristics of good evaluation tool?
18. What are the merits and demerits of short answer type questions?
19. Explain the steps involved in the development of e–content.
20. Define validity of a test. What are the different types of validity?
21. Briefly explain the concept assessment of learning and assessment for learning.

(4 × 5 = 20 Marks)

PART – E

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

22. Explain the process involved in achievement test construction with the help of a suitable example.
23. Briefly explain the concept of techno pedagogic curriculum transaction materials for learning of mathematics.

(1 × 10 = 10 Marks)
