

Reg. No. :

Name :

Third Semester B.Ed. Degree Examination, October 2019

**EDU 13.07 : EMERGING TRENDS AND PRACTICES IN MATHEMATICS
EDUCATION**

(2015 Admission onwards)

Time : 2 Hours

Max. Marks : 50

PART – A

Answer **all** questions. Each carries **1** mark each. :

1. Which among the following is not a modern instructional approach in teaching Mathematics?
 - (a) online teaching
 - (b) deductive method
 - (c) using blogs
 - (d) using e-content
2. Slow learners refer to
 - (a) speed in one's writing
 - (b) those whose thinking skills are slow compared to others
 - (c) learning disability
 - (d) a problem child
3. Oral questioning in the classroom is an example for
 - (a) summative evaluation
 - (b) formative evaluation
 - (c) objective based evaluation
 - (d) internal evaluation

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4. _____ implies production of a 'totally or partially novel idea'.
- (a) giftedness (b) slow learning
- (c) creativity (d) deprived learning
5. The test that is used to find out the individuals difficulty in a particular learning area.
- (a) Intelligence test (b) Achievement test
- (c) Teacher made test (d) Diagnostic test

(5 × 1 = 5 Marks)

PART – B

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

6. Write an example for short answer type question in your subject.
7. Mention any two advantages of online learning.
8. What is blended learning?
9. What is meant by online assessment?
10. Define achievement test.

(5 × 1 = 5 Marks)

PART – C

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

11. Briefly explain the concept of 'educational evaluation'.
12. What is Summative evaluation?



13. What are digital text books? How are they useful?
14. List out any four advantages of 'reflective practices' in education.
15. What is e-content development?

(5 × 2 = 10 Marks)

PART – D

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

16. Differentiate Achievement test and Diagnostic test.
17. What is Validity? Explain the different types of validity.
18. What are the qualities of a good evaluation tool? Explain any three.
19. What are rubrics? Write down a rubrics for the assessment of 'Projects'.
20. What is meant by 'techno-pedagogic' curriculum transaction? How will you implement while transacting your curriculum?
21. What is Reflective practice? Explain the role of teacher in it.

(4 × 5 = 20 Marks)

PART – E

Answer any **one** question which carries 10 marks. :

22. How will you construct an 'achievement test' in Mathematics? Explain by choosing a topic from secondary school maths textbook.
23. Who is a gifted learner? Explain in detail the educational provisions for them by taking suitable examples from your subject.

(1 × 10 = 10 Marks)

