G 6268

(Pages : 2)

Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, JUNE 2017

Second Semester

EDU 204.16—PEDAGOGICAL DIMENSIONS OF MATHEMATICS

(Regular/Supplementary—2015 Admission onwards)

Time : Two Hours

Maximum : 50 Marks

Part A

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

1. What is lesson planning ?
2. List any two merits of objective type questions.
3. Write any two advantages of Continuous and Comprehensive Evaluation (CCE).
4. Mention the importance of unit planning.
5. What is competence based instruction ?
6. Write two pre-requisites for learning the concept 'incircle of a triangle'.
7. What is 'Techno-pedagogy' ?
8. Write any two specifications under the objective 'Analysis'.
9. What are the major Mathematical skills ?
10. Write two implications of Piaget's theory in Mathematics learning.

(10 × 1 = 10 marks)

Part B

Answer any **five** *questions.*
Each question carries 2 *marks.*

11. Differentiate formative and summative evaluation.
12. What are the criteria for evaluating a seminar ?
13. What is the role of *e*-assessment in Mathematics teaching ?
14. Explain the concept of 'ZPD'.
15. Give an example each for aims and objectives of teaching Mathematics.
16. How does Bloom's Taxonomy help in objective based evaluation ?

(5 × 2 = 10 marks)

Turn over

Part C

Answer any **five** *questions.*
Each question carries 4 *marks.*

17. How an achievement test is different from a diagnostic test ?
18. What are the features of a 'Smart board' ?
19. Analyse the content of any topic in Trigonometry.
20. Explain the concept of 'Techno Pedagogic content knowledge'.
21. Drill and practice can be used for developing speed and accuracy if effectively planned and executed—Comment.
22. Give a short account of Revised Bloom's Taxonomy (RBT).
23. Explain the Herbartian steps of lesson planning.

(5 × 4 = 20 marks)

Part D

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

24. Discuss the importance of Teacher Blogs in Mathematical education. Explain the procedure of Blog creation.

(5 + 5 = 10 marks)

25. Explain the procedure of constructing a diagnostic test. Write at least 10 items of a diagnostic test in Mathematics.

(5 + 5 = 10 marks)
[1 × 10 = 10 marks]