

C 23705

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Name.....

Reg. No.....

SECOND SEMESTER B.Ed. DEGREE EXAMINATION, JUNE 2017

Education

EDU 10 : 10—PROFESSIONALIZING MATHEMATICS EDUCATION

(2015 Admissions)

Time : Two Hours

Maximum : 40 Marks

Part I

Answer all questions.

Each question carries 1 mark.

1. Give a mathematics puzzle that can be given to secondary students.
2. What is mathematics phobia ?
3. Expand NTSE ?
4. What is video-tape interaction ?
5. Mention any two educational television channels in India.
6. Name two e-resources for teaching Mathematics.

(6 × 1 = 6 marks)

Part II

Answer all questions.

Each question carries 2 marks.

7. Define co-operative learning ?
8. What enrichment activities will you give to a gifted student ?
9. Write a short note on mathematics Olympiad.
10. What is the role of ERIC website in the professional development of a teacher.

(4 × 2 = 8 marks)

Part III

Answer any four questions.

Each question carries 4 marks.

11. What is mathematics creativity ? How will you improve mathematical creativity among secondary students ?
12. Mention the advantages of technology integrated teaching ?

Turn over

13. What is meant by dyscalculia ? Write any two causes and remedies ?
14. Explain the different types of programmed instruction ?
15. Write the steps in the preparation of an e-content material.
16. How SCERT helps in developing teacher competencies in our teachers.

(4 × 4 = 16 marks)

Part IV

Answer any one questions.

The question carries 10 marks.

17. What are the general Qualities of a mathematics teacher ? Enumerate the soft skills that are needed for a mathematics teacher to become a successful teacher in mathematics ? What is the role of the professional organisations in making a teacher competent ?
18. Describe Gardner's multiple intelligence theory. Discuss its significance in the present scenario with special emphasis to mathematics education.

(1 × 10 = 10 marks)