



C 1538

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Name.....

Reg. No.....

**FOURTH SEMESTER B.Ed. (TWO YEAR) DEGREE EXAMINATION  
APRIL 2021**

B.Ed.

EDU 13.10—PROFESSIONALIZING MATHEMATICS EDUCATION

(2017 Admissions)

Time : Two Hours

Maximum : 40 Marks

**Part A**

*Answer all questions.*

*Each question carries 1 mark.*

1. What is *wiki* ?
2. List any *two* objectives of conducting mathematics fairs ?
3. Who was the first woman to win the *field medal* ?
4. What is meant by pedagogical content analysis ?
5. Which is the non-governmental organization to conduct children's maths congress in Kerala ?
6. What are the professional ethics of a mathematics teacher ?

(6 × 1 = 6 marks)

**Part B**

*Answer all questions.*

*Each question carries 2 marks.*

7. What is the purpose of EDUBLOG ?
8. Write the indications of dyscalculia.
9. Mention any *four* extension activities of a mathematics teacher.
10. What are the peculiarities of a logical-mathematical intelligent student ?

(4 × 2 = 8 marks)

**Turn over**

**Part C**

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

11. Enumerate the characteristics of creative children.
12. How can the teacher use *facebook* effectively ?
13. What are the advantages of e-resources ?
14. Explain the different phases of e-content development ?
15. What are the professional qualities of a mathematics teacher ?
16. Differentiate between *blog* and *forum*.

(4 × 4 = 16 marks)

**Part D**

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

17. Elucidate the concept of TPCK. What are the scope and challenges of TPCK ?
18. What are the aims of mathematics club ? As a mathematics teacher how will you organize a mathematics club in your school ?

(1 × 10 = 10 marks)