G 2397 (Pages : 2) Reg. No......................................

Name......................................

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, JULY 2018

Second Semester

EDU 205.16—CURRICULUM AND RESOURCE DEVELOPMENT IN MATHEMATICS EDUCATION

(2015. Admission onwards)

[Regular/Supplementary]

Time : Two Hours Maximum : 50 Marks

Part A

Answer all questions.
Each question carries 1 mark.

1. What is curriculum ?

2. What is curriculum mapping ?

3. Name two mathematical journals.

4. What is the concept of improvised aids ?

5. What is unitary approach to curriculum organization ?

6. What is hidden curriculum ?

7. Name any two e-learning resources.

8. List any two improvised aids to teach "prisms".

9. List any two advantages of logical organization of curriculum.

10. What is a virtual classroom ?

(10 × 1 = 10 marks)

Part B

Answer any five questions.
Each question carries 2 marks.

11. What are the major aims of Mathematics work book ?

12. What is meant by differentiated curriculum ?

15. What are the functions of a textbook in Mathematics ?

16. Mention the advantages of concentric approach.

$(5 \times 2 = 10 \text{ marks})$

Part C

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

17. What are the major highlights of NCF with special reference to Mathematics Education.

18. Discuss the need and importance of handbooks for planning lessons in Mathematics.

19. What is the significance of Differentiated curriculum to meet individual differences ?

20. Explain the characteristics of present school Mathematics curriculum in Kerala.

21. As a Mathematics teacher, how will you equip a Mathematics laboratory in your school ?

22. What are the functions of Mathematics library ?

23. What are the uses of technological aids for Mathematics Instruction ?

$(5 \times 4 = 20 \text{ marks})$

Part D

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

24. Explain the principles of curriculum construction.

25. Describe the essential qualities of a good text book in Mathematics and examine whether the present text book in Kerala for Standard VIII satisfy these qualities.

$(1 \times 10 = 10 \text{ marks})$