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

Second Semester

EDU 205.16—CURRICULUM AND RESOURCE DEVELOPMENT IN MATHEMATICS EDUCATION

(Regular/Supplementary—2015 Admission onwards)

Time : Two Hours

Maximum : 50 Marks

Part A

Answer all questions.
Each question carries 1 mark.

1. Mention the various phases of curriculum development.

2. What is a 'Core curriculum' ?

3. Give address of two websites important for a Mathematics teacher.

4. Name one reference book in Mathematics.

5. What is the purpose of a teacher's hand book ?

6. List two major uses of technological aids in Mathematics.

7. What is the importance of Mathematics journals ?

8. Write any two functions of a Mathematics library.

9. List two features of logical arrangement of curriculum.

10. What is a differentiated curriculum ?

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

Part B

Answer any five questions.
Each question carries 2 marks.

11. Give a modern, comprehensive definition for 'curriculum'.

12. What are the steps of curriculum evaluation ?

13. Write a short note on spiral and concentric curriculum.

14. What is curriculum mapping ?

15. List the criteria of selecting resources for Mathematics learning.

16. Mention the importance of hands on experience in Mathematics learning.

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

Turn over

Part C

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

17. Differentiate curriculum and syllabus with examples.

18. Discuss the factors of curriculum planning.

19. Explain the suggestions of NCF on Mathematics education.

20. As a teacher, how will you encourage your students to use Mathematics library effectively ?

21. Explain the role of teacher in curriculum transaction.

22. What are the criteria for planning group and individual activities in Mathematics classroom ?

23. As a Mathematics teacher, how will you manage the problem of lack of interest among your students ?

$(5 \times 4 = 20$ marks)

Part D

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

24. Discuss in detail various *e*-learning resources in Mathematics.

25. What is the relevance of Mathematics laboratory in teaching ? Select a content suitable for laboratory method and explain the procedure of teaching the content, specifying the essential equipments.

$(2 + 8 = 10$ marks)

$[1 \times 10 = 10$ marks]