

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 × 1 = 10 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 × 2 = 10 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 × 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 × 10 = 10 marks]