

**E 3575**

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Reg. No.....

Name.....

**M.Ed. DEGREE (C.B.C.S.S.) EXAMINATION, MAY 2012**

**Second Semester**

**Core Course 907.6—APPLICATIONAL PEDAGOGY OF MATHEMATICS EDUCATION**

(Regular—2011 Admissions)

Time : Three Hours

Maximum Weight : 32

**Part A**

*Answer any two questions.*

*Each question carries 4 weight.*

1. How will you utilise technological advancement for effective Mathematics learning ?
2. Describe the features of Inductive thinking model. Develop a lesson transcript for the model.
3. What is the role of diagnosis and remedial instruction in Mathematics ?
4. Define motivation. How will you motivate students for better attainment ?

(2 × 4 = 8)

**Part B**

*Answer any six questions.*

*Each question carries 2 weight.*

5. What is brain based learning ?
6. What are the features of heuristic approach ?
7. Explain the phases of concept attainment model.
8. How will you deal students with negative attitude towards Mathematics ?
9. Write the steps in the construction of an achievement test.
10. How action research helps the Mathematics teacher ?
11. What are the implications of the theory of multiple intelligence in our classrooms ?
12. Write the steps in the problems solving in Mathematics.

(6 × 2 = 12)

Turn over

**Part C**

*Answer any six questions.  
Each question carries 1 weight.*

13. Distinguish between direct and indirect grading system.
14. What do you mean by Item analysis ?
15. How will you develop computational skill in your students ?
16. Write a research study conducted in learning theories in Mathematics education.
17. Write the importance of co-operative learning in Mathematics.
18. What do you mean by reflective learning ?
19. What are blended strategies ?
20. What are the main contributions of Vygotsky for Mathematics education ?

(6 × 1 = 6)

**Part D**

*Answer all questions.  
Each question carries ½ weight.*

21. What is Mathematical giftedness ?
22. Bring out the importance of self appraisal in teaching and learning.
23. What are different types of objective type test items ?
24. What is the role of teacher in an activity oriented class ?
25. What are norms ?
26. List two Main Mathematical skills.
27. Write an example for transfer of learning.
28. Write one example for inductive reasoning in Mathematics.
29. What is peer evaluation ?
30. Write one question to check Mathematical creativity.
31. Define Assimilation.
32. What is experiential learning ?

(12 × ½ = 6)