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- (b) Explain computer aided instruction in Mathematics, and the role of teacher in planning the different modes to cater to individual differences.

Register Number :

Name of the Candidate :

**3 9 8 5**

**B.Ed. DEGREE EXAMINATION, 2011**

(SECOND YEAR)

(PAPER - XII)

**803. CONTENT AND METHODOLOGY OF  
TEACHING MATHEMATICS - II**

May ]

[ Time : 3 Hours

Maximum : 80 Marks

**SECTION – A** (10 × 2 = 20)

*Answer ALL questions.*

*All questions carry equal marks.*

1. Write syntax of advanced organizing model.
2. What are the advantages of seminar method?
3. Define model of teaching.
4. What is the need for assignments in Mathematics?
5. What do you mean by supervised study?

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6. Mention two ways to develop positive attitude towards learning Mathematics.
7. List the objectives of Mathematics Clubs.
8. How do you make discussion method an effective one?
9. Enumerate the demerits of symposium.
10. Define programmed instruction.

**SECTION – B** (6 × 5 = 30)

*Answer any SIX questions.*

*Answer should not exceed 250 words each.*

*All questions carry equal marks.*

11. Discuss the characteristics of a good text book in Mathematics.
12. Explain the salient features of programmed instruction.
13. Describe the need for review in Mathematics.
14. Describe the activities which could be done through Mathematics Club.
15. Explain the components of a model of Teaching.

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16. How will you organize a mathematics exhibition in your school?
17. How will you apply laboratory technique in teaching Mathematics? Illustrate.
18. What are the uses of organizing field trips?

**SECTION – C** (2 × 15 = 30)

*Answer ALL questions.*

*All questions carry equal marks.*

19. (a) Explain the concept Attainment model of teaching, using a suitable topic from Higher Secondary Mathematics.  
(OR)  
(b) Explain Inquiry Training Model of Teaching Mathematics with examples from Higher Secondary Mathematics.
20. (a) Explain the various methods of organizing the curriculum in Mathematics, giving examples.

(OR)

**Turn Over**