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**8328**

Register Number  
Name of the Candidate:

**B.Ed. DEGREE EXAMINATION, May 2015**

**(FIRST YEAR)**

**503: INNOVATIONS TRENDS AND APPROACHES IN  
TEACHING OF MATHEMATICS -I**

(New Regulation/Old Regulation)

Time: Three hours

Maximum: Old Regulation-80 marks  
New Regulation-75 marks

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**SECTION-A**

**(10×2=20)**

**Answer ALL questions**

**Each answer should not exceed 70 words**

1. What is Signal Learning?
2. What are the innovative methods of teaching mathematics?
3. What is problem solving approach?
4. Write the importance of symbols in mathematics.
5. Mention some of the contribution of Aryabhatta.
6. Write the objective of hierarchy learning of Robert Gagne.
7. What are the limitations of branching programme?
8. How linear programmer is different from branding programme?
9. How diagnostic test differ from achievement test?
10. What is formative education?

**SECTION-B**

**(5×5=25)**

**Answer any FIVE questions**

**Each answer should not exceed 250 words**

11. Distinguish between norm-referenced and criteria referenced tests.
12. How will you provide remedial teaching in mathematics?
13. What is diagnosis test? Explain the process of the construction of a diagnostic test.
14. What is unit planning? Discuss the advantages of unit plan.
15. Elucidate Jean Piaget contributions.
16. Discuss the achievements of great Indian mathematicians.
17. Write some of the characteristics of mathematical reasoning.
18. Write various stages of development of mathematics.

**SECTION-C****(2×15=30)****Answer ALL questions****Each answer should not exceed 750 words**

19. a) What are the significance and values of the history of mathematics to a mathematics teacher?

(OR)

- b) Suggest measures to create interest in students for learning mathematics.

20. a) Discuss the role of A.V aids in the teaching of mathematics.

(OR)

- b) Discuss the various techniques and devices used for evaluating the teaching – learning outcomes.

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