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Register Number

Name of the Candidate:

B.Ed. DEGREE EXAMINATION, May 2015

(SECOND YEAR)

703: INNOVATIONS, TRENDS AND APPROACHES IN TEACHING OF MATHEMATICS-II

(New Regulation/Old Regulation)

Time: Three hours

Maximum:OR-80 marks
NR-75marks

SECTION-A (10×2=20)
Answer ALL questions in about 70 words each

1. Write the uses of aptitude tests.

2. Write about aptitude for learning mathematics.

3. What are the important features of intelligence?

4. Define the term "Individual differences'.

5. What are the characteristics of Interaction Analysis?

6. How is Assignment different from Homework?

7. Define Mental Age.

8. Write the classification of individuals according to their IQ.

9. What is Spearman's theory?

10. How aptitude is different from Interest?

SECTION-B (5×5=25)
Answer any FIVE questions
Each answer should not exceed 250 words

11. Differentiate intelligence and aptitude.

12. Write short notes on theories of intelligence.

13. What do you understand by heredity and environment?

14. Describe the advantages and limitations of Flander's ten category integration analysis.

15. What are the steps in giving Assignment? What are the uses of giving?

16. What are the qualities of mathematics teacher?

17. Write some of the factors affecting mathematics achievement.

18. What is the relationship between curriculum and text book?

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

19. a) Explain the need for research in mathematics education and also mention a few problems in teaching learning process of mathematics.

(OR)

  b) What do you mean by review of unit? Explain the importance of review of units .

20. a) Discuss in detail about the concept of Aptitude treatment interaction.

(OR)

  b) What do you understand by classroom climate? What measures would you make it for positive classroom climate?

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