# 2021

## PEDAGOGY OF MATHEMATICS TEACHING

### Paper : 1.3.7B

### Full Marks : 35

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any one* question :

   (a) Critically examine the present syllabus of mathematics for class X of West Bengal Board of Secondary Education and give suggestions for its improvement. Write a comparative analysis of Textbooks of mathematics at secondary level between WBBSE and CBSE.  10+10

   (b) Discuss the steps of construction of standardized–Achievement test. Write the merits and demerits of continuous and comprehensive evaluation.  10+10

   (c) Make a pedagogical analysis of the content from secondary level (Profit and Loss, or Area of Circle, or Coordinate geometry) on the following items:

      (i) Breaking of unit into subunit with number of periods

      (ii) Write appropriate instructional objectives in behavioural terms

      (iii) Teaching learning strategies

      (iv) Blueprint for Criterion Reference Test items.  3+6+5+6

2. Answer *any one* question :

   (a) What do you understand by the skill of introducing the lesson? What are its essential components? Discuss the nature and characteristics of simulated micro teaching.  3+5+7

   (b) What are the major obstacles in on-line mathematics teaching during pandemic COVID-19 and as a mathematics teacher how can you overcome these obstacles? Discuss the types of teaching-learning material used in teaching of mathematics in the form of on-line and off-line resources.

   7+8

   (c) Write short notes on *any two* from the following :  7½+7½

      (i) Mathematics Talks

      (ii) Mathematics Exhibitions

      (iii) Mathematics Laboratory.

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