2021

PEDAGOGY OF MATHEMATICS TEACHING

Paper : 1.2.7A

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) "Mathematics is the gateway and key to all sciences".— Explain with examples. Discuss the importance of Piaget's theory in teaching learning of mathematics. 10+10

   (b) In the light of the educational value of mathematics, what should be the aims of teaching mathematics at the school stage? What consideration would you keep in mind while suggesting a text book to your students? 10+10

   (c) What is inductive method? Illustrate its application in teaching Arithmetic, Algebra and Geometry by one example of each. Mention the needs of teaching aids in mathematics teaching. 5+9+6

2. Answer *any one* question :

   (a) Define the term slow learners and throw light on the features and characteristics of slow learners in mathematics. Discuss the remedial measures for the prevention and treatment of slow learning in mathematics. 7+8

   (b) What is evaluation? Discuss the various techniques and devices used for evaluating the teaching learning outcomes. 5+10

   (c) Discuss the criterion of an ideal evaluation or good test in mathematics. Mention the various general and special qualities needed for becoming a successful mathematics teacher. 7+8

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