



[Time: 2 hours]

[Marks 60]

Please Check whether you have got the right question paper.

N.B: 1. Answer any six questions out of which Q.9 is compulsory.

2. Marks are indicated against each question.

Q.1 "The teaching of Mathematics becomes logical and effective by the use of the Inductive-Deductive method." Justify with an illustration. (10)

Q.2 Illustrate the use of **any three** maxims of teaching Mathematics. (10)

Q.3 Explain Becher-Biglan typology of classification of Academic disciplines. (10)

Q.4 "A Mathematics teacher should be a lifelong learner." Justify with reference to the need and avenues for continuous professional development of a Mathematics teacher. (10)

Q.5 Explain the meaning, nature, and scope of Mathematics. (10)

Q.6 Elucidate the objectives and activities of the Mathematics Club. (10)

Q.7 "Mathematics subject is Value Laden." Explain with reference to any three values of teaching Mathematics. (10)

Q.8 Describe the steps of the Problem-Solving method of Mathematics with a suitable example. (10)

Q.9 Attempt briefly **any two** of the following. (10)

- (a) Place of Mathematics in the present school curriculum.
- (b) Any five competencies of a Mathematics teacher.
- (c) Use of Virtual Manipulatives in Mathematics.
- (d) Merits of the Concentric approach of curriculum construction in Mathematics.
