

Time: 2 Hours

Marks: 60

- N B. 1. Answer any six questions out of which Question no 9 is compulsory**
2. Marks are indicated against each question.

1. Explain the Concentric approach of curriculum construction in Mathematics with suitable examples. **10**
2. Elucidate the values of teaching of Mathematics. **10**
3. “A Mathematics club facilitates education and recreation.” Elaborate with reference to the activities of a Mathematics Club. **10**
4. Illustrate **any three** maxims of teaching Mathematics. **10**
5. “Inductive Deductive method enables logical comprehension of Mathematics” Explain with suitable example. **10**
6. Explain Becher-Biglan typology of classification of Academic disciplines **10**
7. “A good textbook of Mathematics serves as a sound base for learning the subject.” Elaborate with reference to the characteristics of a good Mathematics textbook. **10**
8. Illustrate the steps of the Problem-solving method in the teaching of Mathematics. **10**
9. Attempt briefly **any two** of the following: **10**
 - a. Characteristics of Academic disciplines
 - b. Use of Virtual Manipulatives in Mathematics
 - c. Nature of Mathematics
 - d. Contribution of Aryabhata in Mathematics
