

Sem 3

11/12/19

EC2: MATH

(2 Hours)

(Total 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 Becher-Biglan typology of classification of Academic Disciplines. 10
2. Enumerate the Aims & Objectives of teaching mathematics at Secondary & Higher Secondary levels as stated by NCF (2009). 10
3. Describe the use of any three maxims of teaching Mathematics. 10
4. "Inductive-Deductive method is useful in the teaching of generalisations in Mathematics". Justify. 10
5. "Mathematics Laboratory provide experiential Learning". Explain with reference to needs and importance of it. 10
6. "Teachers of mathematics should make consistent efforts for their continuous professional development". Illustrate with reference to the need and avenues for continuous professional development. 10
7. Describe the contribution of Ramanujan and Pythagoras in Mathematics. 10
8. Elucidate Analytic-synthetic method of teaching Mathematics. 10
9. Attempt briefly any two of the following 10
 - a. Meaning of Academic Discipline
 - b. Any two values of teaching Mathematics
 - c. Advantages of the concentric approach of curriculum construction in Mathematics
 - d. Applications of Geogebra.

