

MATHEMATICS EDUCATION

[Max. Marks : 40]

Q.1) Explain Analysis - Synthesis Method of teaching Mathematics with reference to following points : [12]

- (1) Principles
- (2) Steps with example
- (3) Merits
- (4) Limitations

OR

Q.1) What is Concept Attainment Model of Teaching ? Explain its phases with example. What are the uses of Concept Attainment Model ? [12]

Q.2) What is the Concept of Content-cum-Methodology ? Explain importance and steps of Content-cum-Methodology. [12]

OR

Q.2) What is Pedagogical Analysis ? What are different approaches of Pedagogical Analysis ? Explain any two approaches with example. [12]

Q.3) Attempt **any four** of the following : [16]

- (a) Explain place and importance of Mathematics in School Curriculum.
- (b) What are different maxims of Mathematics Teaching ? Explain any two with example.
- (c) How Mathematics Laboratory is useful in Mathematics Teaching.
- (d) What is Team Teaching ? Explain characteristics of Team Teaching.
- (e) What is Simulation ? How will you use Simulation in teaching Mathematics ?
- (f) Explain difference between Achievement Test and Diagnostic Test.