

Tecnia Institute of Teacher Education

Pre – Board Examination (April 2010)

ETE II Year

Teaching of Mathematics

Time: 3 Hrs.

M.M.: 40

General Instructions:-

- (i) All questions are compulsory.
- (ii) All questions carry equal marks.

- Q1. Write five main characteristics of a good teacher's guide. How can it help in improving teaching – learning process?
- Q2. What is the role of teaching aids in teaching mathematics? Explain with suitable examples.
- Q3. How will you teach the topic "The equations in one variable and their solution" to the students by using inductive-deductive approach? Explain by taking suitable examples.
- Q4. How will you present the data of marks obtained by 40 students of your class to make data more meaningful? Explain with examples.

Q5. How will you develop the concept of total surface area of a cylinder by the activity based approach in the classroom?

or

How will you develop the concept of different geometrical shapes, by playway method to your students?

Q6 What are the criteria of a good test paper ? Explain with suitable examples.

or

Explain with examples, different types of questions and their utility in evaluation.

Q7. Write the important steps for developing a diagnostic test in mathematics. How is the test helpful for a mathematics teacher in teaching of mathematics?

Q8. Describe the importance of a mathematics laboratory. How will you establish it as a low cost in your school?