

00690

**CERTIFICATE IN ELEMENTARY
TEACHER EDUCATION (CETE)**

**Term-End Examination
December, 2011**

MESE-013 : TEACHING OF MATHEMATICS

Time : 3 hours

Maximum Weightage : 70%

Note : *All questions are compulsory.*

All questions carry equal weightage :

1. Answer the following question in about 600 words:

Explain the need, importance and objectives of teaching mathematics at elementary level.

OR

What is meant by 'Problem Solving Approach'. Describe its process and use for teaching Mathematics.

2. Answer the following question in about 600 words.

What is the need of lesson planning ? Select any one of the topic mentioned below and develop 'lesson plan' highlighting the objectives, previous knowledge, teaching - learning process and evaluation

- (a) Indices and Logarithms
(b) Commission

3. Answer any four of the following in about 150 words each :

- (a) Pure and Applied Mathematics
- (b) Axiomatic nature of Mathematics
- (c) Drill and Practice Technique in Mathematics
- (d) Teaching of "Profit and Loss"
- (e) Teaching of "Compound Interest"
- (f) Teaching of "Parallel Lines"

4. Answer the following question in about 600 words.

Mention three essential aspects while planning a unit test. Select any topic from elementary level mathematics and develop a "Blue print" for the test on that topic. Construct six test items. i.e. two each of knowledge, comprehension and application.
