

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

Term-End Examination

June, 2010

01998

MESE-013 : TEACHING OF MATHEMATICS

Time : 3 hours

Maximum Weightage : 100%

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- Note : (i) All questions are compulsory.
(ii) All questions carry equal weightage.*
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1. Answer the following question in about 600 words :

Discuss need and importance of mathematics in school curriculum with suitable examples.

OR

Explain with suitable examples the difference between Analytic and synthetic methods of teaching mathematics.

2. Answer the following question in about 600 words.

Select any one topic out of the following and develop lesson plan highlighting objectives, previous knowledge, motivational activities, developmental activities, summary and applications.

- (a) Discount
(b) Compound Interest

3. Answer *any four* of the following in **150** words each.
- (a) Importance and use of oral and written work in mathematics.
 - (b) Play way technique : Concept and use of teaching mathematics.
 - (c) Teaching of percent and common fraction.
 - (d) Teaching of "Brokerage".
 - (e) Teaching of "congruence of Triangles".
 - (f) Principles of formulating Mathematics curriculum.

4. Answer the following question in about **600** words.

Select a topic from elementary level mathematics for construction of a test. Develop a table of specification and construct six objective test items to test student's knowledge, understanding and application in mathematics.
