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**CERTIFICATE PROGRAMME FOR
PROFESSIONAL DEVELOPMENT OF PRIMARY
TEACHERS (CPPDPT)**

Term-End Examination

June, 2015

BES-055 : PEDAGOGY OF MATHEMATICS

Time : 2 hours

Maximum Weightage : 70%

Note : (i) All three questions are compulsory.

(ii) All questions carry equal weightage.

1. Answer the following question in about 600 words :

Discuss the strategies that children use to conceptualise mathematical ideas.

OR

Why do children find learning decimal fractions difficult ? Suggest a learning activity to teach the concept of 'place value representation of decimals' to children of primary classes.

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

- (a) Explain the concept of conservation of weight.
- (b) What do you mean by presentation of data ?

- (c) How will you introduce the concept of symmetry to your students ?
- (d) Discuss the importance of assessment in learning mathematics.
- (e) 'Mathematics can be seen in day-to-day activities'. Discuss.
- (f) What are the steps involved in problem solving ?

3. Answer the following question in about 600 words :

Discuss the possible mistakes that children commit while adding and subtracting 'time'. Suggest activities to teach the following concepts :

- (a) Instant of time
 - (b) Conversion of '24 hour time' to 'Standard time'
 - (c) 'Watch' for learning 'duration of time'
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