

THE OPEN UNIVERSITY OF SRI LANKA  
 M.A. IN TEACHER EDUCATION - PART II  
 FINAL EXAMINATION 2008  
 ESP 2465 – TEACHING OF MATHEMATICS AT PRIMARY LEVEL



**DURATION: THREE (03) HOURS**

**DATE: 29<sup>th</sup> May 2008**

**TIME: 9.30 a.m. – 12.30 p.m.**

**Answer any three Questions. Each answer should be written in a Separate Book.**

01. i. Explain the terms a) Multi-grade teaching and  
 b) Multi-level teaching
- ii. What are the reasons for using multi-grade & multi-level teaching-learning situations in Sri Lankan primary level class rooms?
- iii. State four problems faced by teachers when using multi-grade teaching.
- iv. Explain how you can solve those problems successfully.
02. i. Compare the ideas of Skemp with the ideas of Bruner in the development of mathematical concepts at primary school level.
- ii. Explain how the main ideas of Bruner and Skemp are used in teaching mathematics at primary school level.
03. i. State the main features of the assessment system currently used in primary grades in Sri Lanka.
- ii. Briefly explain two formal and two informal methods of assessing learning competencies in primary mathematics.
- iii. Explain briefly the common errors that children make in manipulating the four mathematical operations and solving mathematics problems.
- iv. State briefly the type of remedial action a primary school teacher should adopt to help children to minimize those errors.

04. i. What do you mean by “student centred teaching methods”?
- ii. Think of a mathematics lesson taught at the stage two of the primary school and present two lesson notes to show how this lesson could be taught using the following methods.
- a) activity method.
- b) organized play method.
05. i. Describe the common format that is recommended in the teacher’s guides prepared for the teaching of mathematics in the primary grades.
- ii. Explain how the teacher’s guides and text books help a teacher to develop lessons using the recommended methodology.
- iii. Analyze how the present primary mathematics curriculum of the National Colleges of Education is related to the teacher’s guides provided for teaching mathematics in the primary grades.
06. Write short notes on any four (04) of the following.
- i. Mental mathematics at primary level.
- ii. Techniques of effective questioning.
- iv. Objectives of teaching mathematics at primary school level.
- v. Newmann’s analytical model.
- vi. Importance for the mathematics teacher to study history of mathematics.

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