

A Comparison of Mathematics Curriculum Documents of GCE O Level and SSC Systems

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The purpose of conducting this research was to compare mathematics curriculum documents of two different systems for secondary education namely SSC (Secondary School Certificate) and O Level. The objectives were: to compare the mathematics curriculum at GCE (General Certificate of Education) O Level and secondary school certificate system with special reference to; objectives, content and teaching method; and to find out comparative strengths and weaknesses in curriculum objectives, content and teaching methods suggested for teaching mathematics both in the GCE O Level system and SSC system. Research method included survey technique and documentary analysis. The curriculum documents of both the systems were analyzed to collect data about objectives of mathematics teaching, the content offered and methods of teaching as recommended by the document. Text-books were analyzed by the teachers with the help of an evaluation scale. Data analysis involved Mann Whitney U test, t test and documentary analysis. Results showed that O Level system of secondary education has more comprehensive objectives for mathematics teaching and better text-books. The methods of teaching suggested in both the documents however, were found same. It was recommended to revise objectives, set for mathematics teaching and the text-books taught in SSC system of secondary education.

Keywords: GCE O level, Curriculum objectives, SSC system

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