

PRINCIPLES OF MATHEMATICS 12

TABLE OF SPECIFICATIONS

CURRICULUM		COGNITIVE LEVEL			TOTAL	
ORGANIZERS	SUB-ORGANIZERS	Knowledge	Understanding and Application		Higher Mental Processes	%
			Lower Level	Higher Level		
Patterns and Relations	A. Patterns — <i>Geometric Sequences and Series</i>	←———— 10 —————→				61
	Variables and Equations Relations and Functions					
	— <i>Logarithms and Exponents</i> — <i>Trigonometry</i>	←———— 21 —————→ ←———— 30 —————→				
Shape and Space	B. Transformations — <i>Transformations</i>	←———— 15 —————→				15
Statistics and Probability	C. Chance and Uncertainty — <i>Combinatorics</i>	←———— 10 —————→				24
	— <i>Probability</i>	←———— 14 —————→				
TOTAL:		10	35	35	20	100

The values in this table are approximate and may fluctuate. The weighting of each topic reflects the amount of instructional time devoted to each sub-organization. Since it is not possible to test all prescribed learning outcomes, the examination will be based on a sampling of the curriculum.

Examination configuration: 24 marks in multiple-choice format (calculator not permitted)
(16 questions worth 1.5 marks each)

42 marks in multiple-choice format (calculator permitted)
(28 questions worth 1.5 marks each)

24 marks in written-response format (calculator permitted)

Total: 90 marks

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