Stage 3 WACE written examination—2010 design brief Mathematics

calculator-free Section One and a calculator-assumed Section Two. same time and reflect the last pair of units completed within this course. The examinations comprise a brief is to be used for either Units 3A/3B or Units 3C/3D. These examinations will be scheduled at the There will be two Mathematics examinations, one for Units 3A/3B and one for Units 3C/3D. This design

five minutes Time allowed

50 minutes Working time for Section One: Reading time for Section One:

Reading time for Section Two: 10 minutes Changeover period—no student work: approximately 15 minutes

Working time for Section Two: 100 minutes

Section One: Permissible items

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Standard items: pens, pencils, pencil sharpener, highlighter, eraser

Standard items: pens, pencils, pencil sharpener, highlighter, eraser Section Two:

instruments, ruler, templates, notes on up to two unfolded sheets of A4 paper, and up Special materials: Curriculum Council revised Mathematical formulae and Statistical tables book, drawing

Additional information to two approved CAS calculators.

has a perforated page of formulas particular to that examination, which will be retained for possible use in Section One and Section Two are printed separately with a different coloured front cover. Section One

The marks assigned to content areas in the examinations are within the following ranges: Section Two. Calculator memory does not need to be cleared.

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ը նու յ ոն	yieW	Weighting	Content areas
%9 b -	-07	20–22%	Number and algebra
-52%	-02	10 - 12%	Space
-32%	-08	30–32%	Chance and data
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valid working or justification to receive full marks.
Instructions to candidates indicate that, any question or part question worth more than 2 marks requires
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Mathematics: Stage 3 Design Brief

Section	Supporting information	
Section Two Calculator-assumed	This section contains questions that examine content and procedures that may require the use of a calculator.	
80 marks	The section comprises a variety of question types which require both open and closed responses. Open-ended questions typically call for high-level reasoning.	
8–13 questions with subparts		
Reading time: 10 minutes	Questions require students to demonstrate knowledge of mathematical facts,	
Working time: 100 minutes	conceptual understandings, use of algorithms, use and knowledge of notation and terminology and problem solving skills. Selected questions could require students to investigate mathematical patterns, make and test conjectures and generalise and prove mathematical relationships. Questions may require the application of concepts and relationships to unfamiliar problem-solving situations, choose and use mathematical models with adaptations, compare solutions and present conclusions.	
	Stimulus materials may include diagrams, tables, graphs, drawings, print text and data gathered from the media and are organised around scenarios or concepts relevant to the units.	
	Candidates' answers may include calculations, tables, graphs, and interpretation of data, descriptive answers, and conclusions.	