

CAMBRIDGE INTERNATIONAL EXAMINATIONS  
GCE Advanced Subsidiary and Advanced Level

## MARK SCHEME FOR the May/June question papers 2002

### 9691 Computing

9691/02 Paper 2 Structured Practical Tasks

These mark schemes are published as an aid to teachers and students, to indicate the requirements of the examination. They show the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2002 question papers for most IGCSE and GCE Advanced Subsidiary (AS) Level syllabuses.

**MAY/JUNE 2002**

**ADVANCED SUBSIDIARY AND ADVANCED LEVEL**

**MARK SCHEME**

**MAXIMUM MARK : 60**

**SYLLABUS/COMPONENT : 9691/02**

**COMPUTING**



<b>Centre Number</b>		<b>Centre Name</b>	
<b>Candidate Number</b>		<b>Candidate Name</b>	

The mark points indicated on the mark scheme are listed below. Indicate with a tick where each mark has been awarded.

<b>Question 1(a)</b>		✓
Maximum 9 marks	Diagram to include:	
	at least three levels	
	actions in correct sequence to work	
	Initialise	
	set totals to zero	
	generate two numbers	
	keep running total of throws	
	process two numbers	
	calculate total score	
	add one to total occurrences of score	
	output totals of each total score	
	output percentages for each total	
	<b>Sub-Total 1(a)</b>	
<b>Question 1(b)</b>		
Maximum 7 marks	Algorithm to include:	
	set totals to zero	
	set loop	
	generate two random scores	
	calculate total score	
	add one to correct total score position in array	
	check loop	
	output loop start at 2	
	output score, total score, percentage	
	<b>Sub-Total 1(b)</b>	
<b>Question 2(a)</b>		
Maximum 10 marks	Evidence that information about the centre has been collected	
	Information collected is relevant to the audience for the presentation	
	Information categorized into sections	
	Evidence of a story board, or similar to show order	
	Evidence of consideration of presentation style:	
	background type/colour	
	font type/style/colour	
	use of logo	
	use of clipart	
	use of photos	
	use of scanned images	
	use of animation	
	use of sound	
	use of video clips	
	<b>Sub-Total 2(a)</b>	

		✓
<b>Question 2(b)</b>		
Maximum 11 marks	Presentation appropriate for audience	
	Presentation contains relevant information	
	Suitably linked slides	
	Consistent style of slides	
	Good use of colour	
	Sensible use of font type/ style/colour	
	Readable (from a distance)	
	Animation appropriate	
	Use of appropriate sound	
	Use of logo	
	Use of clipart	
	Use of photos	
	Use of scanned images	
	<b>Sub-Total 2(b)</b>	
<b>Question 2(c)</b>	Evidence of evaluation of presentation	
Maximum 3 marks	Based on audience reaction	
	What improvements to be made and why	
	<b>Sub-Total 2(c)</b>	
<b>Question 3(a)</b>	Spreadsheet Software	
Maximum 6 marks	Columns for:	
	name	
	five test results	
	average of test results	
	Conditional formulae	
	grade awarded	
	correct formulas	
	<b>Sub-Total 3(a)</b>	
<b>Question 3(b)</b>		
Maximum 6 marks	Test marks between 0 and 100:	
	Numeric	
	integer	
	visual checking	
	double entry (2 columns)	
	use of data validation on cells	
	use of error messages	
	<b>Sub-Total 3(b)</b>	
<b>Question 3(c)</b>		
Maximum 5 marks	Print out of spreadsheet:	
	print out of spreadsheet with formulae	
	use of SUM or alternative	
	use of COUNT or alternative	
	use of AVERAGE or alternative	
	use of IF or alternative conditional formulae	
	<b>Sub-Total 3(c)</b>	
<b>Question 3(d)</b>		
Maximum 3 marks	Does it solve the problem?	
	Ease of use?	
	Further improvements	
	<b>Sub-Total 3(d)</b>	
	<b>TOTAL MARKS AWARDED</b>	