

**June 2003**

**A AND AS LEVEL**

**MARKING SCHEME**

**MAXIMUM MARK: 60**

**SYLLABUS/COMPONENT: 9691/02, 5217/01**

**COMPUTING**  
**Practical Tasks**



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### Practical Tasks Assessment Form

Centre Number		Centre Name	
Candidate Number		Candidate Name	

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>		✓
<b>Maximum 5 marks</b>		
	Membership form to include:	
	- heading	
	- consistent use of formatting	
	- instructions for filling in	
	- logical order on form	
	- indication of maximum field lengths	
	- field names, including Forename, Surname, Address, Telephone number, Team	
	- splitting address into Address 1 and Address 2	
	<b>Sub-Total 1 (a)</b>	
<b>Question 1 (b) (i)</b>		
<b>Maximum 5 marks</b>		
	Existence of table:	
	- contains all the fields	
	- sensible data types	
	- existence of team ID in record	
	- identified as link field	
	- existence of player ID	
	<b>Sub-Total 1 (b) (i)</b>	
<b>Question 1 (b) (ii)</b>		
<b>Maximum 3 marks</b>		
	Existence of table (only given once):	
	- contains all the fields	
	- including team ID	
	- identified as key field	
	<b>Sub-Total 1 (b) (ii)</b>	
<b>Question 1 (c)</b>		
<b>Maximum 9 marks</b>		
	Input screen constructed:	
	- validation routine for team name input	
	- constructed correct query	
	- selection of required data	
	- output of required data	
	- to two screens	
	- one screen for details of team	
	- one screen containing all players	
	- means of moving between output screens	
	- output of tables	
	- correct team list	
	<b>Sub-Total 1 (c)</b>	

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<b>Question 2 (a)</b>		
<b>Maximum 8 marks</b>		
	1 mark per line:	
	5      2	
	6      4	
	7      2	
	8      4	
	9      3	
	10     4	
	11     2	
	12     6	
	<b>Sub-Total 2 (a)</b>	
<b>Question 2 (b)</b>		
<b>Maximum 8 marks</b>		
	- setting up array	
	- two dimensional	
	- input values into array	
	- remainder of algorithm in correct position	
	- loop to increase value of S	
	- correct condition on the loop	
	- searching the array for stated value of S (use of inner loop)	
	- correct condition statement on inner loop	
	- condition statement based on value of S	
	- printing value of N when found	
	<b>Sub-Total 2 (b)</b>	
<b>Question 3 (a) (i)</b>		
<b>Maximum 5 marks</b>		
	- suitable format of form	
	Data entry boxes for:	
	- event	
	- names of each competitor (6 rows or columns)	
	- 3 details of each competitor	
	- show some distinction for each type of event	
	<b>Sub-Total 3 (a) (i)</b>	
<b>Question 3 (a) (ii)</b>		
<b>Maximum 4 marks</b>		
	- screen containing sample set of results	
	- evidence of file existence	
	- contents of screen transferred to file	
	- evidence that data has been automatically transferred	
	<b>Sub-Total 3 (a) (ii)</b>	

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<b>Question 3 (b)</b>		
<b>Maximum 7 marks</b>		
	Within the data there must be:	
	- one case of an event with no competitor from a certain school	
	- one case of an event with more than one competitor from a school	
	- one case where each school has one competitor	
	- have at least one sensible time/distance/height	
	- one example of a time outside acceptable limits	
	- one example of a distance outside acceptable limits	
	- one example of a height outside acceptable limits	
	- one example of a dead heat	
	<b>Sub-Total 3 (b)</b>	
<b>Question 3 (c)</b>		
<b>Maximum 6 marks</b>		
	- design of screen	
	- deciding gold, silver, bronze in an event	
	- identifying the 3 schools in order	
	- increment the correct school totals	
	- formula $3 \times \text{gold} + 2 \times \text{silver} + \text{bronze}$ for total	
	- for each school	
	- method for calling up screen	
	<b>Sub-Total 3 (c)</b>	
	<b>Total (max 60)</b>	