

Question		Marks									
1	1	Mark is for AO2 (analyse) <table border="1"> <tr><td>I</td><td>E</td><td>H</td></tr> <tr><td>C</td><td>A</td><td>B</td></tr> <tr><td>G</td><td>D</td><td>F</td></tr> </table>	I	E	H	C	A	B	G	D	F
I	E	H									
C	A	B									
G	D	F									
1	2	Mark is for AO1 (knowledge) Removing (unnecessary) details;									
1	3	Mark is for AO1 (knowledge) Grouping by common characteristics // a hierarchical / 'kind-of' relationship;									
1	4	Mark is for AO2 (analyse) (If there is a relationship between two cells is still represented but) if the relationship is because two cells are in the same row/column/two-by-two block is no longer represented // the nature of the link between the two cells is not represented; A. the location of a cell is not represented									
1	5	All marks for AO1 (understanding) Adjacency matrix appropriate when there are many edges between vertices // when graph/matrix is not sparse; when edges frequently changed; when presence/absence of specific edges needs to be tested frequently; Max 2 marks A Alternative words which describe edge, eg connection, line									
1	6	Mark is for AO1 (understanding) Directed (graph) // digraph;									

Question			Marks
2		<p>One mark for AO1 (knowledge) and two marks for AO1 (understanding)</p> <p>AO1 knowledge Breaking a problem into smaller sub-problems;</p> <p>AO1 understanding Each of which solves an identifiable task; Each of which might be further subdivided;</p>	3

Question			Marks
03	1	<p>Mark is for AO2 (analyse)</p> <p>Statement 1 can't be correct because it means Statement 5 / Statement 6 is true which means Statement 1 is false;</p> <p>Statement 1 can't be correct because it would mean Statement 2 is correct which would mean all of the other statements have to be both correct and incorrect;</p> <p>Statement 1 can't be correct because it would mean Statement 4 is correct which means that Statements 2 and 3 have to be both correct and incorrect;</p> <p>Questions says only one of the statements is true so Statement 1 can't be true as that means more than one statement would be true;</p> <p>Max 1</p>	1
03	2	<p>Mark is for AO2 (analyse)</p> <p>(Statement) 5;</p>	1
03	3	<p>All marks AO2 (analyse)</p> <p>Statement 3 can't be correct because Statement 1 is false;</p> <p>Statement 3 can't be correct because the question says only one of the statements is correct;</p> <p>Statement 3 can't be correct because that would mean Statement 2 would be a contradiction as this would mean Statement 3 would have to be incorrect;</p> <p>If Statement 2 is true then Statement 4 has to be false. As Statements 1 and 3 are false for Statement 4 to be false Statement 2 has to be false as well (otherwise one of the above would be true). This is a contradiction so Statement 2 can't be true;</p> <p>Statements 1, 2 and 3 are false so Statement 4 is false;</p> <p>If Statement 6 is true then 5 has to be false implying at least one of Statements 1 to 4 have to be true but they are all false so Statement 6 has to be false;</p> <p>Max 2</p>	2

Question			Marks
4	1	Mark is for AO2 (analyse) The colour is not yellow // the chosen shape was not the yellow circle // the colour is blue or pink;	1
4	2	Mark is for AO2 (analyse) The shape is not a square // the chosen shape was not the blue square // the shape is a triangle or circle;	1
4	3	Mark is for AO2 (analyse) Pink triangle;	1