

**2.1.4**

**THINKING LOGICALLY**

**TOPIC WISE EXAM QUESTIONS**

**ANSWERS**

**A-LEVEL**

**OCR**

## 2023

AS - Level

2	b ii	1 mark per bullet to max 2, e.g. <ul style="list-style-type: none"> <li>Does the build-up stage need to be shown?</li> <li>Does the earthquake taking place needs to be shown?</li> <li>Does the aftershock stage needs to be shown?</li> </ul>
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2	Allow other suitable examples
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## 2022

6bii	1 mark per bullet <ul style="list-style-type: none"> <li>If the players card is the same suit return true</li> <li>if the players card is the same number return true</li> <li>if neither is true, return false</li> </ul>
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3	Allow 1/0, 'T'/'F', "Yes"/"No" or any sensible alternative as return values.
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## 2019

4bii	1 mark per bullet <ul style="list-style-type: none"> <li>Decision based on what the user has input</li> <li>E.g. If they click left move the character left // if they click right move the character right // if they click space bar make the character jump</li> </ul>
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AO2.1 (1)
AO2.2 (1)

## EXTRA

1	<ul style="list-style-type: none"> <li>Barcode of item purchased is read at checkout / it is scanned in</li> <li>Barcode is compared with barcodes stored on stock file</li> <li>(Field containing) number of tins of beans is decremented</li> <li>New value is compared with the field containing the minimum number of tins of beans that are allowed</li> <li>If number of tins in stock is less than minimum stock / value is below limit...</li> <li>...and no order is outstanding for this item...</li> <li>...search supplier file for details of supplier and use these details either to place an order automatically or produce report for manager</li> <li>Set field showing outstanding order</li> <li>When order arrives, number in stock (field) is incremented</li> </ul>
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6	<p>Note: This is intended to be a difficult question. Mark points need to be fairly precise – do not read too much into a response</p> <p><b>Examiner's Comments</b></p> <p>There were some comprehensive responses here, while many good answers were spoiled because the process described did not consider the need to avoid automatically ordering more tins after every tin is sold. Few were unable to earn some credit even if it was only for scanning the tins when sold. This proved to be an excellent discriminator question. This question was an ideal question to be answered as a series of numbered points, answering in this way could have helped some candidates arrange their thoughts in what is a sequential process.</p>
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**If you found this  
useful, drop a follow  
to help me out!**

**THANK YOU!**

**GCST**