



Pearson
Edexcel

Mark Scheme (Results)

October 2022

Pearson Edexcel International
Award In Primary Computing (JCP11)
Paper 01

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Section A

Question number	Answer	Mark
1	<p>The only correct answer is C</p> <p><i>A is not correct because a fingerprint is biometric data</i></p> <p><i>B is not correct because a password should be more than just numbers</i></p> <p><i>D is not correct because a username is not purely made up of numbers</i></p>	(1)

Question number	Answer	Mark
2	<p>The only correct answer is D</p> <p><i>A is not correct because it does not describe digital etiquette</i></p> <p><i>B is not correct because it does not describe digital etiquette</i></p> <p><i>C is not correct because it does not describe digital etiquette</i></p>	(1)

Question number	Answer	Mark
3 (a)	Cyberbullying can cause fear .	(1)
3 (b)	<p>Award one mark for any of:</p> <ul style="list-style-type: none">• Tell your teacher/parent/(appropriate) adult (1)• Report it to the administrator of an online community/chat group (1)• Report it to someone in authority (1)	(1)

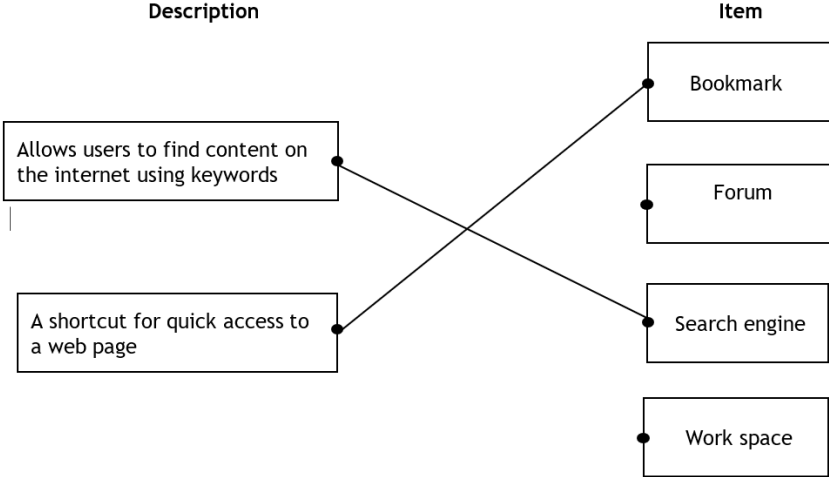
Question number	Answer	Mark
4	<p>Award one mark each up to a maximum of 2 for any of:</p> <ul style="list-style-type: none"> • Touch screen (1) • Keyboard (1) • Stylus/pencil (1) • Microphone (1) • Camera/camcorder (1) • Sensor (1) • Mouse(1) • Scanner (1) • Joystick 	(2)

Question number	Answer	Mark
5	<p>Award one mark each:</p> <p>A buzzer and a speaker are devices used to output sound.</p> <p>Accept in any order</p>	(2)

Question number	Answer	Mark
6	<p>Digital devices can use a wired or a wireless network connection to transfer data.</p>	(1)

Question number	Answer	Mark
7	<p>The world wide web (WWW) is a collection of webpages accessed through the Internet.</p>	(1)

Question number	Answer	Mark
8	<p>The only correct answer is A</p> <p><i>B is not correct because a spreadsheet is used to process numerical data</i></p> <p><i>C is not correct because a VLE is used to support learning</i></p> <p><i>D is not correct because a wiki is used to pool knowledge</i></p>	(1)

Question number	Answer	Mark
9	<p>Award one mark for each correct line</p> <p>Ignore clearly crossed out lines and credit replacement if correct.</p> <p>Do not award lines between boxes where a box has more than one line.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="336 600 676 969" style="text-align: center;"> <p>Description</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Allows users to find content on the internet using keywords</div> <div style="border: 1px solid black; padding: 5px;">A shortcut for quick access to a web page</div> </div> <div data-bbox="979 600 1169 1075" style="text-align: center;"> <p>Item</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Bookmark</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Forum</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Search engine</div> <div style="border: 1px solid black; padding: 5px;">Work space</div> </div> </div> 	(2)

Question number	Answer	Mark
10	<p>Award up to two marks for a linked explanation such as:</p> <ul style="list-style-type: none"> • People can become less fit (1) because they play online games rather than real games (1) • People can get eye strain (1) because they spend too long looking at the screen / the position of the screen is incorrect / the lighting in the room is poor / the screen contrast is not sufficient (1) • People can get RSI (1) because they repeat the same actions (1) • People can get wrist strain (1) because the keyboard is in the wrong position (1) 	(2)

Question number	Answer	Mark
11	The image is protected by copyright .	(1)

Question number	Answer	Mark						
12	<p>Award one mark for the correct software type for each task:</p> <table border="1"> <thead> <tr> <th>Task</th> <th>Software type</th> </tr> </thead> <tbody> <tr> <td>Produce posters</td> <td> Award 1 mark for any of: <ul style="list-style-type: none"> • Word processing/processor • Desktop publishing/DTP • Graphics (package) </td> </tr> <tr> <td>Record sales</td> <td> Award 1 mark for any of: <ul style="list-style-type: none"> • Spreadsheet • Database </td> </tr> </tbody> </table> <p>Do not accept brand names</p>	Task	Software type	Produce posters	Award 1 mark for any of: <ul style="list-style-type: none"> • Word processing/processor • Desktop publishing/DTP • Graphics (package) 	Record sales	Award 1 mark for any of: <ul style="list-style-type: none"> • Spreadsheet • Database 	(2)
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Question number	Answer	Mark								
13	<p>Award one mark for the correct answer</p> <table border="1"> <thead> <tr> <th>Network type</th> <th>Tick (✓)</th> </tr> </thead> <tbody> <tr> <td>Mobile phone network</td> <td>✓</td> </tr> <tr> <td>Wired phone network</td> <td></td> </tr> <tr> <td>Cable TV network</td> <td></td> </tr> </tbody> </table> <p>Do not award a mark if more than one tick is present</p>	Network type	Tick (✓)	Mobile phone network	✓	Wired phone network		Cable TV network		(1)
Network type	Tick (✓)									
Mobile phone network	✓									
Wired phone network										
Cable TV network										

Question number	Answer	Mark
14	<p>Award up to two marks for a linked explanation such as:</p> <ul style="list-style-type: none"> • There may not be enough storage space on the smartphone (1) because movie files are very large (1) • To save storage space on her smartphone (1) as it may be full already (1) • She wants to watch the movie immediately(1) rather than wait for the download to complete (1) 	(2)

Question number	Answer	Mark																				
15	<p>Tricking people Award one mark for any of:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 40%;">Activity</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">Tricking people into giving personal information</td> <td style="border: 1px solid black; padding: 5px;">Pharming</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;"></td> <td style="border: 1px solid black; padding: 5px;">Phishing</td> </tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 40%;">Activity</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">Tricking people into giving personal information</td> <td style="border: 1px solid black; padding: 5px;">Pharming</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;"></td> <td style="border: 1px solid black; padding: 5px;">Phishing</td> </tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 40%;">Term</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">Tricking people into giving personal information</td> <td style="border: 1px solid black; padding: 5px;">Pharming</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;"></td> <td style="border: 1px solid black; padding: 5px;">Phishing</td> </tr> </tbody> </table> </div> <p>Watching</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">Watching you enter your personal details</td> <td style="border: 1px solid black; padding: 5px;">Shoulder surfing</td> </tr> </tbody> </table> </div> <p>Award one mark for a single line with no line to anything else</p>	Description	Activity	Tricking people into giving personal information	Pharming		Phishing	Description	Activity	Tricking people into giving personal information	Pharming		Phishing	Description	Term	Tricking people into giving personal information	Pharming		Phishing	Watching you enter your personal details	Shoulder surfing	(2)
Description	Activity																					
Tricking people into giving personal information	Pharming																					
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Tricking people into giving personal information	Pharming																					
	Phishing																					
Watching you enter your personal details	Shoulder surfing																					

Question number	Answer	Mark
16	<p>The only correct answer is D</p> <p><i>A is not correct because connecting computers in a network would not reduce the amount of paper used</i></p> <p><i>B is not correct because connecting computers in a network would not save electricity</i></p> <p><i>C is not correct because connecting computers in a network would not save office space</i></p>	(1)

Question number	Answer	Mark
17	<p>The only correct answer is C</p> <p><i>A is not correct because a variable cannot carry out a calculation</i></p> <p><i>B is not correct because a variable cannot find errors</i></p> <p><i>D is not correct because a variable cannot repeat an action</i></p>	(1)

Question number	Answer	Mark
18	<p>The only correct answer is B</p> <p><i>A is not correct because this is multiplying (*) the number of sweets by 10</i></p> <p><i>C is not correct because this is adding (+) 10 to the number of sweets</i></p> <p><i>D is not correct because this is subtracting (-) 10 from the number of sweets</i></p>	(1)

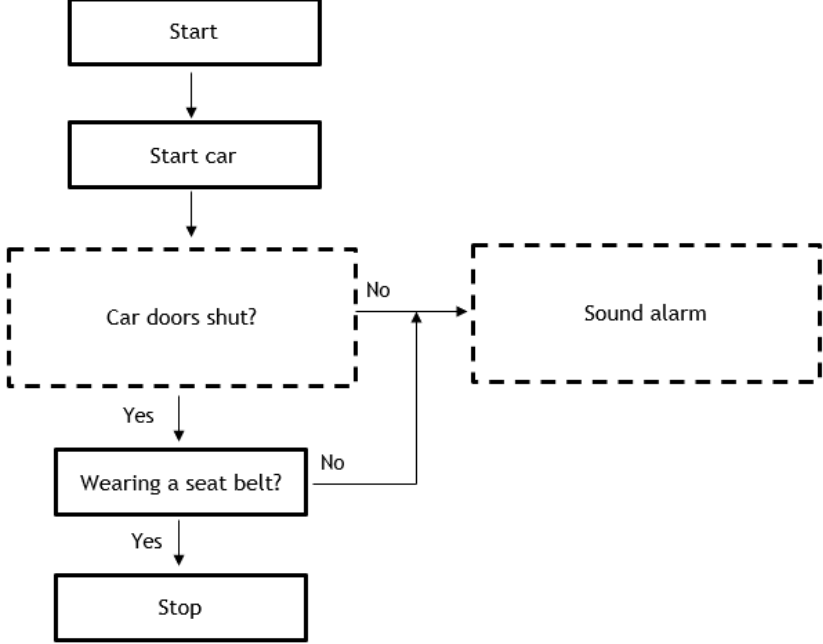
Question number	Answer	Mark
19	<p>Award one mark for each correct line</p> <p>Do not award lines between boxes where a box has more than one line</p>	(2)

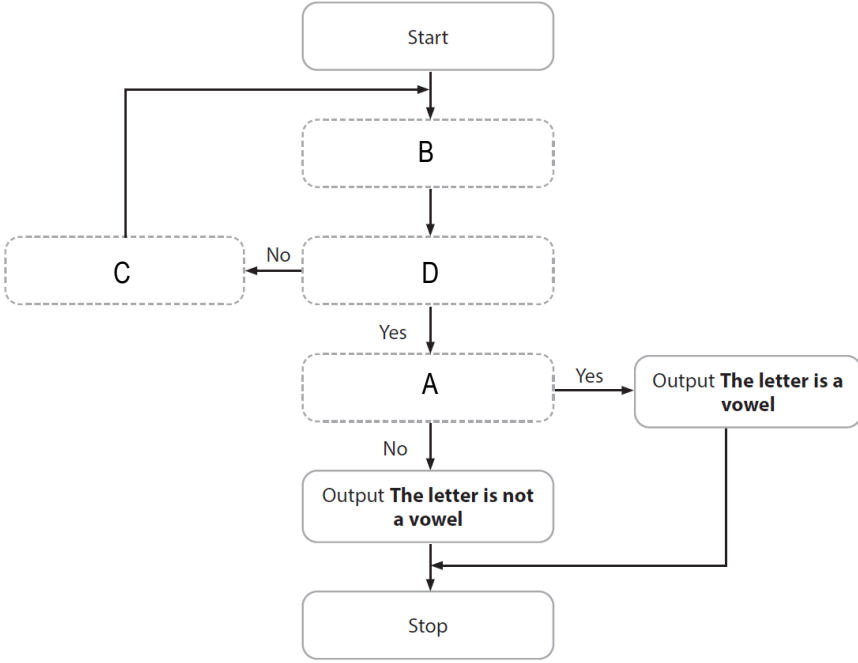
Question number	Answer	Mark
20	<p>The only correct answer is B</p> <p><i>A is not correct because debugging involves finding errors in the code once it has been written</i></p> <p><i>C is not correct because interpret involves translating rather than breaking a problem down into smaller sub-problems</i></p> <p><i>D is not correct because writing involves coding the solution once it has been decomposed</i></p>	(1)

Question number	Answer	Mark
21	A flowchart is a way of describing an algorithm .	(1)

Question number	Answer	Mark
22	It is night time	(1)

Question number	Answer	Mark
23 (a)	Award one for any of: <ul style="list-style-type: none">• Stored Password (1)• Attempts (1)• password (1)	(1)
23 (b)	Award up to two marks for a linked description such as: <ul style="list-style-type: none">• The user is only asked to input their password once / only gets one chance to enter the correct password (1) before the message “account locked” appears / before the number of attempts reaches three (1)• The algorithm will not ask the user to re-enter the password (1) after the first unsuccessful attempt (1)	(2)

Question number	Answer	Mark
<p>24 (a)</p>	<p>Award one mark each for adding text to the empty boxes</p> <ul style="list-style-type: none"> • Car doors shut? (must imply a question) (1) • Sound alarm (1)  <pre> graph TD Start([Start]) --> StartCar[Start car] StartCar --> CarDoorsShut{Car doors shut?} CarDoorsShut -- Yes --> WearingSeatBelt{Wearing a seat belt?} WearingSeatBelt -- Yes --> Stop([Stop]) WearingSeatBelt -- No --> SoundAlarm[Sound alarm] CarDoorsShut -- No --> SoundAlarm </pre>	<p>(2)</p>
<p>24 (b)</p>	<p>Award one mark any of:</p> <ul style="list-style-type: none"> • Selection/decision (1) • Output (1) 	<p>(1)</p>

Question number	Answer	Mark
25	<p>Award one mark each for adding the correct letter(s):</p> <ul style="list-style-type: none"> • B in the correct position (1) • C and D in the correct position (1) • A in the correct position (1)  <pre> graph TD Start([Start]) --> B[B] B --> D[D] D -- No --> C[C] D -- Yes --> A[A] A -- Yes --> Vowel[Output The letter is a vowel] A -- No --> NotVowel[Output The letter is not a vowel] C --> NotVowel Vowel --> NotVowel NotVowel --> Stop([Stop]) </pre>	(3)

Section B

Question number	Answer	Mark
26	<p>The only correct answer is B</p> <p><i>A is not correct because caption is not a tool to remove part of an image</i></p> <p><i>C is not correct because format is not a tool to remove part of an image</i></p> <p><i>D is not correct because scissor is not a tool to remove part of an image</i></p>	(1)

Question number	Answer	Mark
27	<p>Award up to two marks for a linked explanation such as:</p> <ul style="list-style-type: none">• Fewer trees are lost (1) because less paper is used (1)• Less office space is needed / less fuel is needed (1) because people can work from home (1)• Less energy is used in the home (1) because apps can be used remotely to control things (1)• Less air pollution (1) as more electric cars are on the roads (1)	(2)

Question number	Answer	Mark
28	<p>Award one mark for each of:</p> <ul style="list-style-type: none">• Linespacing (1)• Font (style/size) (1)• Vertical centre alignment (1)	(2)

Question number	Answer	Mark
29	<p>The only correct answer is D</p> <p><i>A is not correct because the text is already left aligned horizontally</i></p> <p><i>B is not correct because the text is not right aligned horizontally</i></p> <p><i>C is not correct because the text is not aligned to the top vertically</i></p>	(1)

Question number	Answer	Mark
30	The background colour of a text box could be changed from white to red using the shading feature.	(1)

Question number	Answer	Mark
31 (a)	<p>The only correct answer is D</p> <p><i>A is not correct because a cell is not part of the structure of a database</i></p> <p><i>B is not correct because a column is not part of the structure of a database</i></p> <p><i>C is not correct because a field is part of a record</i></p>	(1)
31 (b)	<p>The only correct answer is C</p> <p><i>A is not correct because it is a value in the field Attendance %</i></p> <p><i>B is not correct because it is a value in the field Telephone number</i></p> <p><i>D is not correct because it is a value in the field First name</i></p>	(1)

<p>31 (c)</p>	<p>The only correct answer is D</p> <p><i>A is not correct because char is not an appropriate data type as Student ID is not a single character</i></p> <p><i>B is not correct because number is not an appropriate data type as Student ID also contains an underscore</i></p> <p><i>C is not correct because integer is not an appropriate data type as student ID is not a whole number</i></p>	<p>(1)</p>
<p>31 (d)</p>	<p>Correct answer</p> <p>Attendance % = 100.0</p> <p>Award one mark each for:</p> <ul style="list-style-type: none"> • Attendance % (1) • 100.0 (1) • 100.00 (1) <p>Accept integer number</p>	<p>(2)</p>

Question number	Answer	Mark									
<p>32 (a)</p>	<p>Award one mark for the answer as shown in the table</p> <table border="1" data-bbox="496 1272 1050 1400"> <thead> <tr> <th>Cell part</th> <th>Row (✓)</th> <th>Column (✓)</th> </tr> </thead> <tbody> <tr> <td>E</td> <td></td> <td>✓</td> </tr> <tr> <td>2</td> <td>✓</td> <td></td> </tr> </tbody> </table> <p>Accept any other symbol</p>	Cell part	Row (✓)	Column (✓)	E		✓	2	✓		<p>(1)</p>
Cell part	Row (✓)	Column (✓)									
E		✓									
2	✓										
<p>32 (b)</p>	<p>The only correct answer is C</p> <p><i>A is not correct because SUM(B2:B4) is an incorrect cell range</i></p> <p><i>B is not correct because SUM(B4:D4) is an incorrect cell range</i></p> <p><i>D is not correct because SUM(D4:D5) is an incorrect cell range</i></p>	<p>(1)</p>									
<p>32 (c)</p>	<p>Award one mark for any of:</p> <ul style="list-style-type: none"> • Easier to find the spreadsheet again (1) • Easier to know the purpose of the spreadsheet (1) 	<p>(1)</p>									

32 (d)	Award one mark for any of: <ul style="list-style-type: none"> • Word processing/processor (1) • Desktop publishing / DTP (1) Do not accept brand names	(1)
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Question number	Answer	Mark									
33 (a)	Award one mark for the answer as shown in the table <table border="1" data-bbox="411 636 1134 842"> <thead> <tr> <th data-bbox="411 636 619 719">Component</th> <th data-bbox="619 636 868 719">Internal hyperlink (✓)</th> <th data-bbox="868 636 1134 719">External hyperlink (✓)</th> </tr> </thead> <tbody> <tr> <td data-bbox="411 719 619 779">A</td> <td data-bbox="619 719 868 779">✓</td> <td data-bbox="868 719 1134 779"></td> </tr> <tr> <td data-bbox="411 779 619 842">B</td> <td data-bbox="619 779 868 842"></td> <td data-bbox="868 779 1134 842">✓</td> </tr> </tbody> </table> Accept any other symbol	Component	Internal hyperlink (✓)	External hyperlink (✓)	A	✓		B		✓	(1)
Component	Internal hyperlink (✓)	External hyperlink (✓)									
A	✓										
B		✓									
33 (b)	Award one mark for any of: <ul style="list-style-type: none"> • To play a sound/video/animation (1) • To start/exit the presentation (1) Do not accept hyperlink or anything to do with navigation	(1)									

Question number	Answer	Mark
34	Award up to two marks for a linked description such as: <ul style="list-style-type: none"> • A transition is applied to a slide (1) whereas an animation is applied to something on the slide (1) • A transition is used when you move between slides (1) whereas an animation controls how objects move on a slide (1) 	(2)

