



Pearson
Edexcel

Mark Scheme (Results)

October 2020

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	A B is incorrect because it is an output device C is incorrect because it is an output device D is incorrect because it is an output device	(1)

Question number	Answer	Mark
2	C A is incorrect because it is used for creating and editing images B is incorrect because it is used for slideshows D is incorrect because it is used for textual information	(1)

Question number	Answer	Mark
3	Award 1 mark for any of <ul style="list-style-type: none">• Bluetooth/WiFi• Camera• Can connect to other devices• Data entry/user input• Display• Operating system• Portable• Ports• Software applications (apps)• Storage• Voice recorder Accept any suitable feature	(1)

Question number	Answer	Mark
4	Award 1 mark each Usernames Passwords	(2)

Question number	Answer	Mark
5	B A is incorrect because it is not a biometric method C is incorrect because it is not a biometric method D is incorrect because it is not a biometric method	(1)

Question number	Answer	Mark
6	C A is incorrect because it is not a form of cyber attack B is incorrect because it is not a form of cyber attack D is incorrect because it is not a form of cyber attack	(1)

Question number	Answer	Mark
7	A B is incorrect because this is not online C is incorrect because this is not online D is incorrect because this is not online	(1)

Question number	Answer	Mark
8	Award 1 from <ul style="list-style-type: none"> • Do not retaliate to the bullying / ignore • Provide support to the victim • Raise awareness of what cyberbullying is for others/self • Save the evidence • Tell the person to stop • Tell your teacher/parent/appropriate adult/appropriate organisation (CEOP) • Use tools e.g. block, report 	(1)

Question number	Answer	Mark
9	Silent	(1)

Question number	Answer	Mark
10	A B is incorrect because this describes the Internet C is incorrect because the WWW is not a single website D is incorrect because this is a type of network	(1)

Question number	Answer	Mark								
11	Award 1 mark for each correct step up to 2 marks Step 1 given in question <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Add product to basket</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Go to the checkout</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Browse product catalogue until product is found</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Pay securely</td> <td style="text-align: center;">4</td> </tr> </table>	Add product to basket	2	Go to the checkout	3	Browse product catalogue until product is found	1	Pay securely	4	(2)
Add product to basket	2									
Go to the checkout	3									
Browse product catalogue until product is found	1									
Pay securely	4									

Question number	Answer	Mark
12 (a)	Award 1 mark each for any two of: <ul style="list-style-type: none"> • member/friend listing • search facility • share posts/photos /videos • add/remove friends • comment • chat / private messaging • collaboration • notifications • communication • play online games • can join groups <p>Accept any relevant feature other than user profile</p>	(2)
12 (b)	Award 1 mark for any of: <ul style="list-style-type: none"> • competition • single or multi-player • interactive • genre • avatar/role playing • talk whilst playing games / make friends • invites to play • can game at any time • can save the game 	(1)

	<ul style="list-style-type: none"> • game purchases • games console <p>Accept any relevant feature other than user profile</p>	
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Question number	Answer	Mark
13	Eye	(1)

Question number	Answer	Mark
14 (a)	<p>Award 1 mark for any of:</p> <ul style="list-style-type: none"> • So that students can communicate/collaborate / work on group projects • So that students/teachers can use physical devices attached to the network • To allow internet/remote access • To allow students/teacher to access work anywhere within the school • To monitor students • To save money • To share resources 	(1)
14 (b)	<p>Award 1 mark for any of:</p> <ul style="list-style-type: none"> • Wireless • WiFi • Wired • Cable <p>Allow broadband</p>	(1)

Question number	Answer	Mark
15	<p>B</p> <p>A is incorrect because this is not an algorithmic process C is incorrect because this is an algorithm construct D is incorrect because this is an algorithm construct</p>	(1)

Question number	Answer	Mark
16	<p>A</p> <p>B is incorrect because this would be a constant C is incorrect because a variable does not always need to be input D is incorrect because a variable value can be used many times</p>	(1)

Question number	Answer	Mark
17	Award 1 mark for any of: <ul style="list-style-type: none"> • ISBN/Book code • Author • Genre • Book format Award 1 mark for any other sensible variable name	(1)

Question number	Answer	Mark
18 (a)	Award 1 mark for any of: <ul style="list-style-type: none"> • Char • Character • Text • String 	(1)
18 (b)	Award 1 mark for any of: <ul style="list-style-type: none"> • Integer • Number • Numeric 	(1)
18 (c)	Award 1 mark for any of: <ul style="list-style-type: none"> • String • Text 	(1)
18 (d)	Award 1 mark for any of: <ul style="list-style-type: none"> • Boolean • Yes/No • True/False • 1/0 	(1)

Question number	Answer	Mark
19 (a)	B	(1)
19 (b)	C	(1)
19 (c)	A	(1)

Question number	Answer	Mark
20	Award 1 mark for each of: <ul style="list-style-type: none"> • decision checks the age is over 16 • output includes relevant message 	(2)

Question number	Answer	Mark
21 (a)	<p>Award 1 mark for each descriptive point about the purpose of the flowchart:</p> <ul style="list-style-type: none"> • display/find the average • of 5 numbers / input numbers <p>For example: 5 numbers are input (1) and the average of these found (1) 5 numbers are input and totalled (1) and the average calculated and displayed (1) The average of 5 numbers (1) is displayed (1) The average of the input numbers (1) is found (1) The numbers input are totalled (1) and the average of these found (1)</p> <p>Allow 1 mark for a descriptive point about the contents of the algorithm:</p> <ul style="list-style-type: none"> • Count is set to 0 • A number / five numbers are input • A running total is kept / the number is added to the total • 1 is added to the Count • A check is made to see if the Count = 5 • If the Count does not = 5 the process is repeated • If the Count = 5 the Result is generated • The Result is the Total divided by the Count 	(2)
21 (b)	<p>Award 1 mark for each linked point in the explanation:</p> <ul style="list-style-type: none"> • division could produce a real number / Result could be a real number • Count is always an integer number <p>For example: Result could have decimal places (1) whereas Count will always be an integer (1) Result could be a real number (1) Count is an integer (1)</p> <p>Award 1 mark for an explanation that includes Count as a number</p>	(2)

Question number	Answer	Mark
22	<p>Award 1 mark for each linked point in the explanation up to a maximum of 2</p> <ul style="list-style-type: none"> Number is being multiplied by Number (1) rather than Number * Count (1) 	(2)

Question number	Answer	Mark
23	<p>Award 1 mark up to a maximum of 3</p> <ul style="list-style-type: none"> Decision present (1) Output of both messages (1) Arrows connecting all actions (1) Decision outcome labelled with Yes and No (or equivalent) correctly (1) <p>This does not have to be drawn as a diagram, or in boxes. As long as the key points are present, the marks can be awarded.</p> <p>No requirement to use different flowchart symbols to indicate different functions (parallelogram, rhombus, rectangles).</p> <p>Example:</p> <pre> graph TD Start([Start]) --> Login[Login button clicked] Login --> Username{Username present?} Username -- No --> Error[Output error message] Username -- Yes --> Welcome[Output welcome message] Error --> Stop([Stop]) Welcome --> Stop </pre>	(3)

Section B

Question number	Answer	Mark
24	Award 1 mark for any relevant example, such as: broken/old/discarded/unwanted <ul style="list-style-type: none">• computers• laptops• televisions• video recorders• mobile/smart phones• batteries	(1)

Question number	Answer	Mark
25	Secure/safe/secret/private/safely/secured/encrypted	(1)

Question number	Answer	Mark
26	Award 1 mark for a relevant reason <ul style="list-style-type: none">• makes it easier to locate/access/find files/folders/documents/information• makes it easier to track versions of files	(1)

Question number	Answer	Mark
27 (a)	D A is incorrect because databases do not have cells B is incorrect because column is not a database term C is incorrect because a field is a structure for a single piece of data	(1)
27 (b)	Award 1 mark for a relevant reason <ul style="list-style-type: none">• telephone numbers shown have a space in them• telephone numbers shown begin with a 0• telephone numbers could have symbols in them such as +• do not do arithmetic on telephone numbers	(1)

Question number	Answer	Mark
28 (a)	Movie	(1)
28 (b)	18:45 / 19:00	(1)
28 (c)	The Tiger King and Lion Queen rock the jungle	(1)

Question number	Answer	Mark
29	Award up to 2 marks for a linked explanation. Font size is how big/ the height / the height and width each letter would be (1) Font style is what the letters look like / determines the shape, appearance and features of each character	(2)

Question number	Answer	Mark
30	Award up to two marks for a linked description <ul style="list-style-type: none"> highlight the word (1) and select a larger font size from the font size drop down box (1) 	(2)

Question number	Answer	Mark
31 (a)	A B is incorrect because the range should be B2:F2 C is incorrect because the AVERAGE function should not include / D is incorrect because the range should be B2:F2	(1)
31 (b)	C A is incorrect because it is the wrong range B is incorrect because it is the wrong range D is incorrect because it is the wrong range	(1)
31 (c)	Award 1 mark for correct formulae $= H4 * I4$ $= I4 * H4$ $= (B4 + C4 + D4 + E4 + F4) * I4$ $= SUM(B4:F4) * I4$ $= SUM(I4 * H4)$ Accept x for * Allow if = is missing	(1)
31 (d)	D A is incorrect because this would be used for storing, searching, retrieving records B is incorrect because this used with graphics C is incorrect because this is a slideshow	(1)

Question number	Answer	Mark
32 (a)	D A is incorrect because this would be applied to an object rather than entire slide B is incorrect because a hyperlink would take you to another part of the slide, slides or external document C is incorrect because the narrator provides audio	(1)
32 (b)	Award 1 mark for suitable example <ul style="list-style-type: none"> • Moving/hyperlink to next/previous/home slide • To indicate answer to a question • To calculate score • To get a hint • To start/exit the presentation • To play a sound/video 	(1)

Question number	Answer	Mark
33	A B is incorrect because part of the image has been removed C is incorrect because the image is still the same other than part of it has been removed D is incorrect because this is not a tool	(1)

Question number	Answer	Mark
34	Award 1 mark for a relevant purpose <ul style="list-style-type: none"> • Drawing attention to something in the image • To give a short explanation of the image • So that someone with a visual impairment will know what the image is 	(1)