The answers on this worksheet have been taken from the 2018 OCR GCSE Computer Science Paper 2

6-A-Day - Computer Science GCSE (p2.11-2016)

Q1	1 mark per bullet, max 3. • FOR loop used	3 Example algorithm for i = 1 to 10
	That outputs the counter variable loops 10 time	Do not accept WHILE loop for first mark, although other marks can be accessed. No need for next If candidate manually increments counter within FOR loop, do not award bullet point 3. Accept pseudocode that suggests looping 10 times, even if this may not function correctly in a specific language.
Q2	<pre>1 mark per bullet, max 2. • else • print ("unknown")</pre>	Accept logically correct equivalents for else (e.g. elseif a!="LAN" and/or a !="WAN"). Do not allow elseif on its own Accept other keywords for print (e.g. "output") as long as the intention is clear. Accept other messages as equivalent to "uknown" (e.g. "not known " / "error")) Message to be printed must be in quotes. Allow "else then".
Q3	mark per bullet, max 2. aimed at humans//understandable by humans / programmers English like structure / syntax Must be translated/compiled/interpreted (before it can be run) Allows programmer to deal with the problem instead of considering the underlying hardware // an abstraction from the hardware // hardware independent // portable	Allow examples of keywords (eg IF / ELSE / WHILE) as 2 nd bullet point. Do not award marks for naming languages such as Java , Python, etc. Do not award marks for stating what a high level language isn't (i.e. describing what low level code is). Do not allow "easy to use" Do not allow 'has to be converted' without into what i.e machine code etc.
Q4	1 mark per bullet, max 4. e.g. Editor to enable program code to be entered/edited Error diagnostics / debugging to display information about errors (syntax / runtime) / location of errors suggest solutions Run-time environment to enable to the program to be run check for run time errors / test the program Translator / compiler / interpreter to convert the high level code into machine code / low level code / binary to enable to code to be executed / run	One mark for identifying, one mark for describing. Accept description of a tool without (or with incorrect) naming of the tool. Allow sensible descriptions which go across pairs or name other tools sensibly (e.g. editor / highlighting syntax) Allow any sensible tool that an IDE provides (e.g. auto documentation, help tools, pretty printing etc.)

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