_		
2	24 (bits)	1PS
3	 (Image is stored as a) grid of pixels/2D Array of pixels Number of bits represents the range of colours/bit depth (unique) binary number for each colour each pixel represented as a binary number/byte/bit Any 2	2KU
11	 The scope of a global variable is the entire program. (1) The scope of a local variable is one subroutine. (1) 	2KU
12	 stores list of values each element has the same data type uses a single identifier uses indexing has fixed number of elements. Any 2	2KU
18 a	 Small physical size Large (data storage) capacity Low power requirements Fast access times Any 2	2PS
18 e	Copyright, Designs & Patents Act	1PS
19 c	 Cache has faster access time than main memory (1) /shortens fetch time. (1) Holds frequently used instructions (1) /short fetch time. (1) Wider internal bus (1) therefore faster transfer. (1) Cache is on the processor (1) /shorter fetch time (faster transfer). (1) 2 marks for any one valid bullet 	2KU
20 e	 The nature of the problem to be solved Type of language (event-driven, etc) Type of user interface Type of hardware/OS The current skills of the programming team Features of the language (data types/functions/etc) Portability of language Any other valid 1 mark for one acceptable response 	1PS

22	а	ı	i	Fastest = HorseTimes(1) Loop from 2 to 5 If HorseTimes (current) < Fastest then Set Fastest = HorseTimes (current) End of if statement Return to start of loop 1 mark for correct initialisation (accept assignment of large value) 1 mark for correct loop structure (accept 1 to 5/loop terminator) 1 mark for correct conditional structure 1 mark for correct assignment	4PS
22	а	l	ii	 Change the < sign to > (can also accept > =). Change the initialisation value if appropriate eg slowest = 0. 	1PS
22	а	l	iii	Counting occurrences.	1PS
31	С	i	•	Bandwidth consumption (1). This degrades the network performance by sending a large number of data packets in a short period of time (1) Resource starvation (1). An attack which is intended to use resources that would bring the network down (1) Programming flaws (1). This takes advantage of bugs in networking software (1) Attacking the routers (1). This involves "hi-jacking" data packets and routing them to the target server, which then gets flooded with data packets, or redirecting them to false addresses (1) Domain Name Server attacks (1). This involves sending a large number of DNS queries with a spoofed IP address of the target server (1) Any	i
31	d			check Internet history access decryption keys/encrypted data undertake undercover surveillance	2KU
31	е		1 <	<pre><center> Tax Calculator </center> <div align="center"> Tax Calculator </div> Tax Calculator mark for correct open/close of tag (accept as valid alternative) mark for correct open/close of <center> OR div align =center> OR tag mark for correct nesting of tags and no additional incorrect tags such as thead> or <title> ie <center> </center></pre></th><th>3PS</th></tr></tbody></table></title></center></pre>	

Find Minimum

SET minimum TO array[0] FOR EACH element FROM array DO

IF array[element] < minimum THEN
SET minimum TO array[element]

END IF END FOR EACH SEND minimum TO DISPLAY