FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2019
SUBJECT :COMPUTER SCIENCE
SCORING KEY

Q No	Question Sub	Scoring Indicators	Score	Total
1.		Base or Radix (Page 28)	1	1
2.		Cache Memory (Page 84)	1	1
3.		Decision Making OR Condition Checking (Page 117)	1	1
4.		strlen() (Page 277)	1	1
5.		islower() (Page 283)	1	1
6.		a)Electronic Numeric Integrator and Calculator. (Page1 6) b)Very Large Scale Integrated (Page 20)	1+1	2
7.		(A+B)'=A'.B' (A.B)'=A'+B' (Page 65)	1+1	2
8.		Reuse, Incineration, Re-cycling, Land Filling (Page 94)	½ Score each	2
9.		Any two Points OR flowchart (Page 124)	1+1	2
10.		d-w,999,Z$, 8c (Page 133)	½ score each	2
11.		long, short, signed, unsigned (Page 148.)	½ score each	2
12.		?: OR ? ,<<,++,! Respectively (Page 150 to 162)	½ score each	2

13.		if (test expression)
		{
		statement block 1;
		}
		else
		{
		statement block 2;
		} (Page 190)
				2

14.		Linear Search Vs Binary Search Comparison as given in Page 248 OR Any four correct points	½ Score each	2
15.		About Arguments- one point About Formal Arguments - one point (Page 295)	1+1	2
16.		• Bring people together • Plan and organise events • Business promotion • Social skills OR Any Two Relevant Points(Page 361,362)	1 score each	2
17.		Any One relevant point about each Generation. (Page 16 to 20)	1+1+1	3
18.		AND gate, OR gate, NOT gate OR Correct Diagram (Page 68)	1+1+1	3
19.		$(33)_8$,$(27)_{10}$,$(1B)_{16}$ respectively. (Page 29 to 39)	1+1+1	3

20.		Listing ANY SIX steps (Page 112) 1. Problem identification 2. Preparing algorithms and flowcharts 3. Coding the program using programming language 4. Translation 5. Debugging 6. Execution and Testing 7. Documentation	½ score each	3
21.		Letters, Digits, Special Characters, White Spaces, Other Characters. At least one valid point about any three .(Page 132)	1+1+1	3
22.		Arithmetic ,Relational ,Logical OR Examples (page 158 to 160)	1+1+1	3
23.		Step 1. Start Step 2. Accept a value in N as the number of elements of the array Step 3. Accept N elements into the array AR Step 4. Repeat Steps 5 to 9, (N – 1) times Step 5. Assume the first element in the list as the smallest and store it in MIN and its position in POS Step 6. Repeat Step 7 until the last element of the list Step 7. Compare the next element in the list with the value of MIN. If it is found smaller, store it in MIN and its position in POS Step 8. If the first element in the list and the value in MIN are not the same, then swap the first element with the element at position POS Step 9. Revise the list by excluding the first element in the current list Step 10. Print the sorted array AR Step 11. Stop OR Correct Diagram / Correct C++ Program (Page 238,239)	3	3
24.		put():It is used to display a character constant or the content of a character variable given as argument. write():This function displays the string contained in the argument. OR Correct Syntax / Examples (Page 267,268)	1½ 1½	3
25.		Reduces the size of the program, Less chances of error, Reduces programming complexity, Improves reusability **Any Correct 3 POINTS** (Page 274.275)	1+1+1	3
26.		Bluetooth: Bluetooth technology uses radio waves in the frequency range of 2.402 GHz to 2.480 GHz. This technology is used for short range communication (approx. 10 m) in a variety of devices for wireless communication. Wi-Fi: Wi-Fi network makes use of radio waves to transmit information across a network like cell phones, televisions and	1+1+1	3

		radios. The radio waves used in Wi-Fi ranges from a frequency of 2.4 GHz to 5 GHz. Communication across a wireless network is two-way radio communication. Satellite link:Long distance wireless communication systems use satellite links for transmitting signals. Usually, a signal travels in a straight line and is not able to bend around the globe to reach a destination far away. Signals can be sent to geostationary satellites in space and then redirected to another satellite or directly to a far away destination. **ANY ONE Relevant Points about each** (Page 320,321)		
27.		Firewall: A firewall is a system of computer hardware and software that provides security to the computer network in an Organization. A firewall controls the incoming and outgoing network traffic by analyzing the data and determining Whether they should be allowed through or not, based on a rule set. Anti-virus scanners: Viruses, worms and Trojan horses are all examples of malicious software (malware).Antivirus tools are used to detect them and cure the infected system. Anti-virus Software scans files in the computer system for known viruses and removes them if found. The anti-virus software uses virus definition files containing signatures (details) of viruses and other malware that are known. When an antivirus program scans a file and notices that the file matches a known piece of malware, the antivirus program stops the file from running, and puts it into 'quarantine'. **OR ANY 3 Related Points** (Page 367,368)	1+1+1	3
28.		a)CD, DVD, Blu-ray (Any two- ½ Score each) (Page 85) b)Registers, Cache Memory, RAM, Hard Disk. **(2 Scores)** (Page 87) c)Process Management, Memory, Device, File **(½ Score each)** (Page 98)	1 2 2	5
29.		a)return, goto, break, continue, exit() OR ANY THREE Example. (Page220) b)if (a>b) cout<<a; else cout<<b; (Page 204)	1+1+1=3 2	5
30.		Bus, Star, Ring, Mesh -Listing Names Only(**(½ Score each)** Explanation OR Diagram about ANY 3 (Page 328,329,330)	2 3	5

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