

FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2018

SUBJECT : COMPUTER SCIENCE

CODE NO : 119

Qn. No	Sub Qns	Answer Key / Value Points	Score	Total
1		Base 20 / 20	1	1
2		# include, # define, #undef (any two)	$\frac{1}{2} * 2$	1
3		goto	1	1
4		\0 or Null character	1	1
5		Modem	1	1
6		Correct block diagram (give 1 mark for partially correct answer)	2	2
7		Any four valid image formats like BMP, TIFF, PNG, JPEG/JPG,GIF etc	$\frac{1}{2} * 4$	2
8		Any valid one point or definition or characteristics	2	2
9		Correct Flow Chart (give 1 mark for partially correct flow chart)	2	2
10		Any four type (letters,digits,special characters, white space, and other characters)	$\frac{1}{2} * 4$	2
11		Pictorial representation OR names of four data types ($\frac{1}{2} * 4$)	$\frac{1}{2} * 4$	2
12		40, 100 (in Gcc) or 20, 50 (in Turbo C++)	1+1	2
13		Any relevant points about memory usage in both cases (or memory wastage)	1+1	2
14		char or #include <cstring> output - 15	1 1	2
15		Valid definition or Explanation	2	2
16		Valid definition or Explanation	2	2
17	a) b) c)	base/radix 7 (620) ₈ or 620 (for conversion step - $\frac{1}{2}$ mark)	1 1 1	3
18	a) b)	American Standard Code for Information Interchange (1000) ₈ (conversion step – 1 mark)	1 2	3
19	a) b)	Interpreter, compiler ($\frac{1}{2} * 2$) Valid Definition with example (example only $\frac{1}{2}$ each) ($\frac{1}{2} * 2$)	1 2	3
20		Correct Differentiation OR Correct syntax/ example ($1\frac{1}{2} * 2$) OR Names of loops only ($\frac{1}{2}$ each)	3	3

21	a)	Correct Flow Chart (partially correct – 1 mark)	2	3
	b)	Numbers from 1 to 10 (partially correct - ½ mark)	1	
22		Role of Relational operators with examples OR Symbols or names of relational operators (6 * ½)	3	3
23		Correct Differentiation OR Any valid point / example (1½ * 2)	3	3
24		Correct picture representation OR Algorithm/ program code /Explanation on selection sort (give 1 mark for partially correct)	3	3
25		Correct program structure Array declaration Logic	1 1 1	3
26		Correct example / explanation (1½ * 2) (partially correct – 1 score)	3	3
27		Correct explanation on local and global variables (1½ * 2) Or Names only (1 each)/ Valid point (½ each)	3	3
28		Correct explanation about OS, Language processors, utility software OR Listing of names only – 2 scores Explanation on each category (1 mark each) OR Pictorial representation – 3 scores only	5	5
29	a)	5 10 15 20 25 30 35 40 45 50 OR Justification - inner loop execute only once because absence of { }	2	5
	b)	Correct code (1½ * 2) (partially correct – 1 score)	3	
30	a) b) c)	Uniform Resource Locator Correct division (protocol, domain name, file name) (1*3) URL is used to identify the web server	1 3 1	5