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FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2018

(Scheme of Valuation)

Subject: COMPUTER APPLICATIONS(Commerce)

Code No:152

Maximum Scores: 60

Time: 2 Hrs

Qn.No	Scoring indicators	Split Score	Total Score
1	Information	1	1
2	Universal Serial Bus	1	1
3	Algorithm	1	1
4	Header files or example of any one header file	1	1
5	DOS or (a)	1	1
Any 9 from Questions 6 to 16 (9 x 2 = 18)			
6	Limitations of Computer (Minimum 2 value points) → 1 Score each (No IQ, Lack of Decision making power No emotions etc)	1+1	2
7	List any FOUR names out of Re-use, Recycle, Incineration and Land filling) → ½ Score each	½ *4	2
8	Minimum two value points about RAM(Volatile, Read-Write Primary Memory, Semiconductor memory, Main Memory etc) Only full form → 1 Score	1+1	2
9	Any Four stages	½ *4	2
10	a) 9 (10 can also be considered) b) True / Yes/ 1 or any non-zero value	1 1	2
11	Listing any 4 errors in the program or writing corrected code (space between name and space ; after main() c not declared cin>>a and b; a+b=c;)	½ *4	2
12	Correct code → 2 Scores Only correct syntax of switch...case → 1 Score	2	2
13	Any FOUR advantages of network → ½ score each	½ *4	2
14	Correct explanation or any valid point related to TCP/IP only Transmission Control Protocol/Internet Protocol → 1 Score	2	2
15	Any two drawbacks of social media → 1 score each	1+1	2
16	Any two challenges of e-Business with short explanation.	1+1	2
Any 9 from Questions 17 to 27 (9 x 3 = 27)			
17	$(140)_8 = (96)_{10} = (1100000)_2$ Correct Conversion to Binary → 1 ½ Scores Correct conversion to Octal → 1 ½ Scores	1½+1½	3
18	(a) For each correction → ½ score each (b) Correct flowchart → 1 Score	½ *4 1	3
19	Correct definition of debugging → 1 Score Identifying any two types of errors with or without explanation (Syntax, Logical and Runtime errors) → 2 Scores	1 1+1	3
20	(a) Proper explanation or examples → 1 Score (b) Correct differentiation → 2 Scores (differentiating using examples can be given maximum 1 score)	1 1+1	3
21	(a) Correct explanation of data types in C++ → 1 Score (b) Listing any 4 names of fundamental data types (char, int, float, double and void) with or without explanation. → 2 Scores	1 ½ * 4	3

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22	Brief explanation about arithmetic and logical operators in C++ → 1 ½ Scores each Only listing of minimum 2 operators each from both types → 2 Scores	1 ½ + 1 ½	3
23	(a) (i) x = x% 20; ½ Score (ii) a = a+ 2; ½ Score (iii) p = p / 5; ½ Score (b) Differentiating assignment operator and equality(relational/comparison) operator	½ ½ ½ 1 ½	3
24	Correct Program → 3 Scores Correct logic (usage of if elseif statement) → 2 Scores Correct structure of the program → 1 Score	2 1	3
25	(a) Listing 10 13 16 19 22 25 28 → 1 Score (format need not be considered) (b) Correct code using while loop → 2 Scores (correct syntax of while loop 1 score)	1 2	3
26	Listing and explanation about any three wireless broadband connectivity methods like Mobile broadband, Wi-Max, Satellite broadband etc. → 1 Score each Listing only can be given maximum → 1 ½ Score	1+1+1	3
27	(a) Listing the names of any three e-Learning tools → ½ Score each (b) Any three advantages of e-Learning → ½ Score each	1 ½ 1 ½	3
Any 2 from Questions 28 to 30 (2 x 5 = 10)			
28	(a) Proper Classification/Definition/Explanation/Examples of software → 2 Scores (b) Comparison of Compiler and Interpreter (definitions of both Compiler and Interpreter) → 2 Scores (examples of compiler and interpreter can be given maximum 1 score) (c) Correct explanation/example of free software → 1 Score	2 2 1	5
29	(a) Explanation of type conversion → 1 score Listing → 1 Score (b) Definition of type casting or proper example → 2 Scores (c) Value of 'a' is 3.0 or 3 value of 'b' is 2.5	1 1 2 ½ ½	5
30	(a) Definition of Topology → 1 Score (b) Any Topology and Meaningful justification → 2 Scores (c) Listing the features of LAN and WAN (minimum 2 comparisons) (Expansion/Example maximum 1 score)	1 1+1 2	5
Total		75(60)	75(60)

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