

FIRST
SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2023

ANSWER KEY

PART III

SUBJECT: COMPUTER SCIENCE

CODE NO : FY20 430


VERSION : C


60 SCORE

2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		(9E) ₁₆	1	1
2		Problem identification, Coding of a program, Translation and Debugging Documentation	$\frac{1}{4} * 4$	1
3		8 bytes	1	1
4		do-while loop / <i>exit controlled loop</i>	1	1
5		node	1	1
6		d) firewall	1	1
7		X=53, y=2B	1+1	2
8		Registers, Cache Memory, RAM, Hard Disk	$\frac{1}{2} * 4$	2
9		Definition of syntax error - 1 score Definition of logical error - 1 score	1+1	2
10		d-w, 999, Z\$, 8c	$\frac{1}{2} * 4$	2
11		a) ? : b) >> c) % d) !	$\frac{1}{2} * 4$	2
12		Correct code - 2 score, (Partially correct - 1 score)	2	2
13		i) 7 (1 score) ii) 20 bytes (1 score)	1+1	2
14		Correct answer (Any 2 comparisons)	2	2
15		a) void Display (double); (Partially correct - $\frac{1}{2}$) b) float Total (int, float); (Partially correct - $\frac{1}{2}$)	1+1	2
16		Correct answer (names only - $\frac{1}{2}$ each)		2
17		Correct answer (Any 2 differences - 1 Mark each)		2
18		i) Correct answer / (Any 2 examples) ii) Correct answer	1+1	2
19		i) IC - 1 score ii) Correct figure - 2 score (Partially correct - 1)	1+2	3
20		NAND, NOR ($\frac{1}{2} + \frac{1}{2}$) Correct figures (1+1)	1 2	3
21		i) Relevant answer - 1 score ii) Correct answer - $\frac{1}{2} * 4 = 2$ score	1 2	3

22	Correct answer (correct symbols - 1/2, logic - 1/2)	3	3
23	Correct answer on literals - 1 score	1	3
	Correct 4 types of literals (1/2 * 4)	2	
24	i) Correct answer - 1 score	1	3
	ii) Signed, unsigned, long, short (1/2 * 4)	2	
25	Correct answer (if names only - 1/2 each)	3	3
26	Correct answer (if names only - 1/2 each)	1*3	3
27	i) 12 bytes - 1 score	1	3
	ii) Relevant answer - 2 scores	2	
28	Correct answer (1*3 = 3 scores) (figure only - 1/2 each) (name only - 1/2 each)	1*3	3
29	Relevant answer	3	3
30	i) Correct answer - 1 score each (names only - 1/2 each)	2	5
	ii) Correct answer - 3 scores (Partially correct - 1 1/2 Mark)	3	
31	i) Correct answer - 2 scores (Definition or 2 examples - 1 score)	2	5
	ii) Correct answer - 3 scores (names only - 1/2 each)	3	
32	i) Correct answer - 3 scores (Any 2 comparisons)	3	5
	ii) Correct answer - 2 scores (partially correct - 1/2 each)	2	

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