

ANSWER KEY

FIRST YEAR HIGHER SECONDARY EXAMINATION JUNE 2022

PART III

SUBJECT: COMPUTER SCIENCE- HI

CODE NO: FY:66

VERSION: C

60 SCORES

2 Hours + Cool off Time

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		b) 20	1	1
2		c) data representation	1	1
3		b) cache memory	1	1
4		b) source code	1	1
5		a) keywords	1	1
6		a) %	1	1
7		c) do while	1	1
8		a) subscript	1	1
9		b) cstdio	1	1
10		c) Recursion	1	1
11		d) node	1	1
12		a) Subscriber Identity Module	1	1
13		Microprocessor, Artificial intelligence	1 + 1	2
14	a	$(11110)_2$	1	2
	b	$(52)_8$	1	
15		Correct answer for input device. Any 2 valid input device names.	$1 + \frac{1}{2} * 2$	2
16		Any 2 valid computer programming error names. (Syntax error, Logical error, Runtime error)	1 + 1	2
17		Integer Literal : -124 Operator : + Keyword : break Escape Sequence or Character Literal : '\\'	$\frac{1}{2} * 4$	2
18		Correct comparison of == and = operators	1 + 1	2
19		Initialisation Test expression Update statement Body of the loop	$\frac{1}{2} * 4$	2
20		Correct definition of Array	2	2
21		Correct answer for delimiter usage in string. NULL character or '\0'	1 + 1	2
22	a	Hyper Text Transfer Protocol	1	2
	b	Uniform Resource Locator	1	
23		Correct answer for web browser and web browsing. Or any valid example for web browsers and explanation for web browsing.	1 + 1	2
24		Correct diagram and explanation for computer architecture.	1 + 2	3
25		Name or symbol for basic logic gates.	1 * 3	3
26		Any valid 3 comparison points for RAM and ROM.	1 * 3	3

27		Programming phases stages. (Any 6 stage names)	$\frac{1}{2} * 6$	3
28		Any Correct 3 rules names	$1 * 3$	3
29		Correct definition for data type. Any correct 4 predefined data types	$1 + \frac{1}{2} * 4$	3
30		Correct syntax for 'if' statement.	3	3
31		Any correct array operations.	$1 * 3$	3
32		Correct comparison or example or syntax for get() and getline() functions in C++	3	3
33		Any three correct merits of modular programming.	$1 * 3$	3
34		Correct comparison of Router and Gateway.	3	3
35		Any two valid disadvantages of social media. Recommended methods of social media disadvantages	$2 + \frac{1}{2} * 2$	3
36	a	Correct definition for number systems. Any correct 2 number system names	$1 + 1 * 2$	5
	b	Correct statements for De Morgan's Theorems.	$1 + 1$	
37	a	Correct definition for e-waste. Any correct 4 e-waste disposal methods.	$1 + \frac{1}{2} * 4$	5
	b	Correct definition for Operating System. Any two functions of Operating system.	$1 + \frac{1}{2} * 2$	
38	a	Correct definition for flowchart. Any 2 advantages of flowchart.	$1 + 1$	5
	b	Correct flowchart conversion. Correct 6 steps	$\frac{1}{2} * 6$	
39		Correct definition for topology. Correct comparison or diagram for any three topologies.	$2 + 3$	5