

ANSWER KEY

FIRST YEAR HIGHER SECONDARY EXAMINATION AUGUST 2021

PART III SUBJECT: COMPUTER SCIENCE

CODE NO: FY 230

VERSION:

60 SCORES

2 HOURS

Qn No	Sub Qns	ANSWER KEY / VALUE POINTS	Score	Total Score
1	a)	Charles Babbage	1	1
	b)	Rectangle / Diagram	1	1
	c)	void	1	1
	d)	Traversal	1	1
	e)	Global	1	1
2		(28) ₁₀ = (11100) ₂ Conversion steps only	2 1	2
3		Memory Address Register, Memory Buffer Register, Instruction Register, Accumulator, Program Counter	ANY FOUR ½ Score Each	2
4		USB-Universal Serial Bus HDMI-High Definition Multimedia Interface	1 1	2
5		Any two valid points about Compiler and Interpreter	1+1	2
6		Definition or two examples Only one example	2 1	2
7		Correct algorithm / Flowchart Correct Step	2 ½ Score Each	2
8		Definition/example		2
9		Any two correct Rules	1+1	2
10		long, short, signed, unsigned (ANYTWO; NAME ONLY)	1+1	2
11		Correct Syntax or Correct example		2
12		Definition / Program Mentioning of Linear / Binary Search	2 1 Score each	2
13		Use / Syntax / Example		2
14		Use / Syntax / Example		2
15		Any two advantages	1+1	2
16		Definition /example / Syntax / Types of arguments		2
17		Any one point about String Comparison		2
18		Definition or explanation		2
19		Definition /example		2
20		Any two points or two examples Only one example	2 1	2
21		Any two advantages	1+1	2
22		1 Correct point about each three generations	1+1+1	3
23		Definition or Representation (in 8 bitform) (28) ₁₀ = 00011100 Only correct binary	3 2	3
24		JPEG : Joint Photographic Experts Group GIF : Graphics Interchange Format PNG : Portable Network Graphics	ANY TWO 1½ + 1½	3
25		Any Three Methods (Names only)	1+1+1	3
26		Any Three Functions (Names only)	1+1+1	3
27		Any Three Advantages (Names only) Any other valid explanations	1+1+1 2	3

28		Correct Flow Chart / Algorithm Each Correct symbols / step	3 ½ each	3
29		Any Two Escape sequence (Name only) Correct Explanation	1½ + 1½ 3	3
30		Any three relational operator symbol any two valid points about relational operator	1+1+1 1½ + 1½	3
31		Correct structure or example Preprocessor directive - #include using namespace main() pair of braces Any statement	3 1 ½ ½ ½ ½	3
32		Single line comment Symbol / example Multiline comment Symbol / example	1½ 1½	3
33		Syntax / Example / Explanation / definition Conditional operator symbol only	3 1½	3
34		Correct syntax or Example Only Explanation about multiple branching using switch or if ..else if	3 2	3
35		Any Two relevant points	1½+1½	3
36		Any correct sorting algorithm / Flowchart / Program / Explanation /Diagram Only names	3 1 Score each	3
37		Any two points / Example / Syntax	3	3
38		Any one point about each	1½+1½	3
39		Any three needs	1+1+1	3
40		Wireless Fidelity Media Access Control Internet Protocol	ANY TWO 1½ + 1½	3
41		Any Two Correct Points about Phishing	1½+1½	3
42		Description / Symbol of each gate Any one Truth Table	1+1+1 2	5
43		Any correct 5 points about loop Syntax / Example / Comparison of each loop	1+1+1+1+1 5	5
44		Listing 4 topologies Correct diagram or explanation of any three topology	2 3	5

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