

Sethu Bhaskara Matric. Hr. Sec. School

Quarterly Exam-Sep 2022

Computer Science-Answer Key

Std: XI

Marks: 70

I. Choose the correct answer:

15x1=15

1. b) Mouse	9. d) at the start of the algorithm
2. c) Word Length	10. b) Bjarne Stroustrup
3. a) NOTxxx(OR)	11. a) >>
4. d) Determined by the processor used	12. a) signed
5. c) System software	13. a) sizeof()
6. a) My document	14. b) 5
7. b) Abstraction	15. b) switch
8. b) American Standard Code for Information Interchange	

II. Answer any 6 questions: (Q.No 24 is compulsory)

6x2=12

16. Control unit, Arithmetic and Logic Unit, Internal memory (2 Marks)
17. 101110₂
18. NAND, NOR, XOR, and XNOR
19. The Program counter is a special register in the CPU which always keeps the address of the next instruction to be executed.
20. Windows, Linux, Unix
21. Any one difference for save and save as
22. Any related definition for algorithm
23. Smallest individual unit in a program(1 Mark)
Keywords, identifier, literals, Operators,punctuators(1 Mark)
- 24.

if	?:
If the condition is true then the true block is executed otherwise true block is skipped.	If the condition is true then the true block is executed otherwise false block is executed.

III. Answer any 6 questions: (Q.No 24 is compulsory)

6x2=12

25. Input device is used to feed any form of data into a computer.(2 Marks)
Example: Mouse, Keyboard (Any two example- 1 Mark)
- 26.

PROM	EPROM
Data can be written only once	Data can be written many times
Content once written cannot be erased	Contents can be erased and reprogrammed
PROM programmer or PROM burner is used to write data to a PROM chip.	Ultra Violet light is used to erase the content

Or any relevant difference

27. Output:

Welcome to Programming in C++

28. Truth Table for XOR Gate

A	B	C=A⊕B
0	0	0
0	1	1
1	0	1
1	1	0

- 29. It has two or more processor for a single process.(2 Marks) And any relevant points(1 Mark)
- 30. Difference for copy and move (3 Marks)
- 31. An escape sequence is represented by a backslash followed by one or two characters.(2 Marks)
Any one example(1 Mark)
- 32. Fundamental data types, User-defined data types. Derived data types
- 33. Explain Input statement with example(1 ½ Marks)
Explain Output statement with example(1 ½ Marks)

IV. Answer all the questions:

5x5=25

- 34. a) Explain the generations (5 Marks). Listing 1 Mark
b) Explain 3 input device and 2 output device(5 Marks)
- 35. a) Explain AND, OR, NOT gates with expression and Truth Table(5 Marks)
b) i) Binary: 10010110_2
Octal : 226_8 (2 ½ marks)
ii) $98.46_{10} = 1100010.011101\dots_2$ (2 ½ marks)
- 36. a) 4 types of ROM (Listing 1 Mark , Explain 4 Marks)
b) Explain: Clock speed(1 ½ Marks)
Instruction set (2 Marks)
Word size(1 ½ Marks)
- 37. a) Explain any 10 versions of Windows(Each ½ Mark)
b) Explain the operators with example (5 Marks)
- 38. a) For loop definition(2 Marks) Syntax(2 Marks) Example(1 Mark)
b) i) sizeof - It returns the size of a variable in bytes.
ii) break - It terminates the execution of the loop.
iii) goto - It transfers the control from one place to another place without any condition in a program.
iv) endl - Inserts a new line and flushes the buffer.
v) setw - It sets the width of the field assigned for the output.

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30/9/22

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