



JAIN COLLEGE V V Puram

1st PUC Mock Paper – Jan. 2024

Course: 1st year PUC
Subject: Computer Science
Max. Marks: 70
Duration: 3:15 hour

PART – A

Answer all the questions. Each question carries ONE mark

I. Select the correct answer from the choices given:

20 X 1=20

1. Who is the first programmer?
a) Charles Babbage b) Blaise Pascal c) William Oughtred d) Ada Lovelace
2. VLSI stands for
a) Variable Large Scale Integration b) Variable Large Size Integration
c) Very Large Size Integration d) Very Large Scale Integration.
3. Which device is used for direct reading of any printed character without any special ink
a) OCR b) OMR c) MICR d) MCR
4. Which printer has no striking mechanism
a) Impact Printer b) Non Impact Printer
c) Thermal Printer d) Dot Matrix Printer
5. The total number of digits present in any number system,
a) Value b) Length c) Base(Radix) d) Numeric
6. BCD stands for,
a) Binary Coded Decimal b) Binary Computed Digit
c) Binary Computer Decimal d) Binary Coordinated Digit
7. Executing the instructions
a) Testing b) Debugging c) Documentation d) Coding
8. Pre tested looping statement is,
a) While b) do - while c) for d) goto
9. The unit which controls and co-ordinates all the input and output devices of a system?
a) ALU b) MU c) CU d) VDU
10. Operator that works on single operand is,
a) Unary b) Binary c) Ternary d) Relational
11. The linker section begins with a _____ symbol.
a) # b) ? c) / d) \\
12. ----manipulator sets the total number of digits to be displayed when floating point numbers are printed
a) setprecision() b) setf() c) setw() d) unset()
13. Ctrl + S is used to,
a) Save document with different name b) save document with same name
c) Save document and close word application d) Save document and Print
14. File extension for all word documents is-----
a) .txt b) .word c) .docs d) .docx
15. Which term is used to join the selected cells into one cell
a) Filter b) Wrap c) Pivot d) Merge

II Fill in the blanks choosing the appropriate word from those given in the brackets.**(Dennis Ritchie, >>, int, word art, exit())**

16. _____ is the datatype of array subscript.
17. _____ lets you to perform fancy effect on words or letters.
18. _____ function causes immediate termination of the entire program.
19. _____ is stream extraction operator.
20. C++ was developed by _____

PART – B**III Answer any four questions. Each question carries TWO marks.****4 X 2 = 8**

21. Mention any two features of ENIAC.
22. Give the differences between hard copy and soft copy.
23. Differentiate between interpreter and compiler.
24. Mention any two advantages of OOP.
25. Mention any two symbols used in flowchart.
26. Mention any two ctype.h functions.
27. Distinguish between actual parameter and formal parameter.
28. Mention any two advantages of email.

PART – C**IV Answer any four questions. Each question carries THREE marks.****4 X 3 = 12**

29. Give the applications of OCR, OMR and MICR.
30. Give the radix of
 - a) Decimal System b) Octal System c) Hexadecimal System
31. Define the following terms.
 - a) Documentation b) Maintenance c) Coding
32. Write an algorithm to check whether a given year is a leap year or not.
33. What is a datatype? Mention any two datatypes.
34. Explain implicit and explicit type conversion.
35. Give any three advantages of word processors.
36. What are escape sequence? Mention any two escape sequences.

PART – D**V Answer any four questions. Each question carries FIVE marks.****4 X 5 = 20**

37. Explain the functional units of a computer with a neat block diagram.
38. Draw a flowchart to find the largest, smallest and second largest of three numbers.
39. Explain any five tokens of C++.
40. Differentiate between while loop and do while loop structure .
41. What is one dimensional array? Write a program segment to input and output one dimensional array elements.
42. Explain the features of spreadsheets.
43. What is chart? Explain the steps to create a bar graph and pie chart.
44. What is HTML? Write the general structure of a HTML.

VI Answer any two questions. Each question carries FIVE marks.**2 X 5 = 10**

45. Evaluate $BEAD_{(16)} = ()_{10} = ()_2 = ()_8$
46. Explain the working of function **without arguments and with return values** with syntax and example.
47. Explain the working of for statement with an example.

