



**JAIN COLLEGE, JAYANAGAR**  
**I PUC MOCK PAPER**  
**COMPUTER SCIENCE (41)**

**Total Marks: 70**

**Time: 3Hrs 15 Minutes**

**PART A**

**I. Answer all questions. Each carries 1 mark. 10×1=10**

1. Expand EDVAC.
2. Give an example of primary memory.
3. Define source program.
4. Define the term portability related to programming.
5. Give an example for short hand operator.
6. Which construct is called as multi-way decision structure?
7. Define an array.
8. Define nested functions.
9. What is header in MS-word?
10. Define filter in MS Excel.

**PART B**

**II. Answer any 5 questions. Each carries 2 marks 5×2=10**

11. Write any two basic components used in second generation computers.
12. Differentiate SRAM and DRAM.
13. Mention any two types of operating systems.
14. Draw a tree diagram to find the area of a rectangle.
15. Write the differences between if-else and switch statement.
16. What is typecasting? Give one example.
17. Give the differences between local and global variable.
18. What are the different tabs in a ribbon?

**PART C**

**III. Answer any 5 questions. Each carries 3 marks 5×3=15**

19. Write a note on plotter.
20. Explain Excess-3 code.
21. Explain UNIX operating system.
22. Explain different types of errors that occur during programming.
23. Explain any three unary operators.
24. Write a note on modifiers.
25. Explain different ways of initializing character array.
26. What is nested structure? Give an example.

**PART D**

**IV. Answer any 7 questions. Each carries 5 marks 7×5=35**

27. Draw a neat block diagram of computer and explain.
28. Convert FADE<sub>(16)</sub> to binary, octal and decimal.
29. Write a flowchart to find largest, smallest and second largest of three numbers using simple if statement.
30. Mention the rules of naming an identifier.
31. Explain for loop with syntax and example.
32. Write a program to find the sum and average of n numbers.
33. Explain the structure of function definition in C++ with an example.
34. Mention different categories of user defined functions. Explain any two.
35. Define charts in MS Excel. Explain steps involved in drawing a pie graph with an example.
36. Explain different features of MS Excel.
37. Explain any five text formatting HTML Tag.

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