



JAIN COLLEGE

463/465, 18th Main Road, SS Royal, 80 Feet Road
Rajarajeshwari Nagar, Bangalore - 560 098

Date:

SUBJECT: COMPUTER SCIENCE

**I PUC
MOCK - I**

Timings Allowed: 3 Hrs 15 Minutes

Total Marks: 70

PART A

I. Answer all the questions.

10 X 1 = 10

1. Which is the earliest computing machine?
2. Expand MOUSE.
3. Define Debugging.
4. Give an example for size of() operator.
5. Name the operator used with cout().
6. What is compound statement?
7. What is Zero based indexing?
8. How is a function invoked?
9. Name any one popularly used Word Processor.
10. Define Cell.

PART B

II. Answer any Five of the questions.

5 X 2 = 10

11. Mention any two applications of computer.
12. Differentiate between Volatile and Non-Volatile memory.
13. Mention different types of software.
14. Mention the various symbols used in a flowchart with symbolic representations.
15. Mention any two applications of OOPs
16. Distinguish between strcmp() and strcmpi().
17. What is a Variable? Give its declaration.
18. Give the difference between Save and Save as

PART C

III. Answer any Five of the questions.

5 X 3 = 15

19. Explain Impact and Non-Impact printers in detail.
20. Add $(23)_{10}$ and $(15)_{10}$ using Binary Addition.
21. Give the features of Windows Operating system.
22. Explain for loop with syntax, flowchart and example.
23. Summarize the rule for naming an identifier.
24. Write a C++ program to find the area of a triangle when three sides are given.

25. What are arrays? Explain the different types of arrays.
26. Explain nested structures with the help of a suitable example.

PART D

IV. Answer any *Seven* of the questions.

7 X 5 = 35

27. Explain characteristics of computers in detail.
28. Write a note on computer codes in detail.
29. Explain the statement used to implement Selection construct with suitable example.
30. What is an expression? Explain different types of expression in C++.
31. Differentiate between while and do..while loop.
32. Write a C++ program to reverse a given number.
33. Explain working of switch statement with an example.
34. What are the different methods of Input – Output a string.
35. Explain the structure of function definition with an example.
36. Explain Call by value and Call by reference with suitable example.
37. Explain any 5 library functions in ESS.
