



# JAIN COLLEGE

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

**Date:**

**SUBJECT: COMPUTER SCIENCE**

**II PUC  
MOCK - II**

**Timings Allowed: 3 Hrs 15 Minutes**

**Total Marks: 70**

## PART A

**I. Answer all the questions.**

**10 X 1 = 10**

1. Expand SMPS.
2. What is a Truth Table?
3. What is the other name of Queue?
4. What is meant by an array of Objects?
5. What is new operator in C++.
6. Define Mapping.
7. What are Cookies?
8. Expand HTTP.
9. Expand FLOSS.
10. How to create hypertext link in HTML?

## PART B

**II. Answer any Five of the questions.**

**5 X 2 = 10**

11. Prove  $x + \bar{x}y = x + y$ .
12. List the Universal gates.
13. What is a member function?
14. Mention two important characteristics of a Constructor.
15. Mention the purpose of eof().
16. Define data warehouse.
17. List any two DML commands.
18. Expand **a. CDMA** **b. GPRS**

## PART C

**III. Answer any Five of the questions.**

**5 X 3 = 15**

19. Give the features of USB port.
20. Draw logic circuit diagram for  $Y = AB + \bar{B}C + \bar{C}\bar{A}$ .
21. List the types of Linked List.
22. What is the amount of space required for different pointer variables?
23. Explain different ways of opening file in C++.

24. Differentiate between Manual and Electronic data processing.
25. Give the classification of Inter-networks.
26. Explain Web Scripting.

**PART D**

**IV. Answer any *Seven* of the questions.**

**7 X 5 = 35**

27. Realize the basic gates using NAND gate.
28. Write an algorithm to delete an element from a Queue.
29. Write an algorithm to traverse a Linked List.
30. Mention the real life application of Object Oriented Programming.
31. Explain the process of passing an object as an argument to a function with programming example.
32. Explain functions overloading.
33. Explain default constructor with syntax and example.
34. What are the types of inheritance? Explain any two.
35. Define and explain the phases of Data mining.
36. Explain Aggregate function of SQL.
37. Explain the working of TCP / IP network model.

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