# JAIN COLLEGE

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

***Date:*** ***SUBJECT: COMPUTER SCIENCE***

***I PUC***
***MOCK***

***Timings Allowed: 3 Hrs 15 Minutes*** ***Total Marks: 70***

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**PART-A**

**I. Answer all of the following:** **10×1=10**

1. Who invented the Pascaline?
2. What is Cache memory?
3. What is structured programming?
4. Define Operator precedence.
5. Define cascading of input output operators.
6. What is the numerical equivalent of TRUE and FALSE?
7. What is zero based indexing?
8. What does the keyword void represents?
9. How to insert page numbers for a word document?
10. Why the auto format option is used?

**PART-B**

**II. Answer any 5 questions:** **5×2=10**

1. Mention any 2 features of EDVAC.
2. Explain the different types of printers.
3. Explain object code and source code.
4. Explain the various types of errors detected during testing.
5. Mention any 2 benefits of OOP.
6. Explain lvalue and rvalue with an example.
7. Name any 2 functions to generate the pseudo-random numbers.
8. Explain the usage of Scroll bar and Status bar.

**PART-C**

**III. Answer any 5 questions:** **5×3=15**

1. Explain the storage medium in detail.
2. Give the radix of (a).Decimal number system
   (b).Octal number system.
   (c).Hexadecimal system.
3. Explain the different types of operating system.
4. Write a note on Testing and Debugging.
5. Explain the Character set and Tokens in C++.
6. Write a C++ program to convert Fahrenheit to Celsius.
7. Write a C++ program to find the position of an element in the array.
8. Explain the array of structures with an example.

## PART-D

**IV. Answer any 7 questions:** **7×5=35**

1. Compare the features of Microcomputers and Mini computers.
2. Explain the different types of computer codes
3. Explain the different types of programming techniques.
4. Explain the precedence of operators with suitable examples.
5. Differentiate between while looping structure and do-while looping structure.
6. Write a C++ program to print Fibonacci series using for loop.
7. Write a C++ program to sort the elements of one-dimensional array.
8. Explain the working of functions with arguments and with return values with an example.
9. Explain the method of using built in functions in Excel.
10. Explain the types of data and the range of values can be used in a worksheet.
11. Design a webpage to display your details on a webpage.

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