



Jain College, Jayanagar

Subject: I PUC Computer Science (41) Mock Paper

Max. Marks: 70

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### PART A

**I. Answer All the following questions:**

**10×1=10**

1. Expand EDVAC.
2. Name any one hard copy input device.
3. What is source code?
4. Define keyword.
5. What is the use of setw manipulator?
6. Which structure is called as fixed execution looping statement?
7. Define 2-D array.
8. What are formal arguments?
9. What is the use of the clipboard?
10. What are the different types of layout possible in excel?

### PART-B

**I. Answer any 5 of the following questions:**

**5×2=10**

11. What are the applications of computer in industry?
12. Explain cache memory.
13. Mention the types of flowchart.
14. Write the syntax and example for simple if statement.
15. Mention any 2 applications of OOP.
16. Give the syntax and example for conditional operator.
17. Mention any 4 mathematical built in functions.
18. What is a mail merge? Write the steps for mail merge.

### PART-C

**II. Answer any 5 of the following questions:**

**5×3=15**

19. Write a note on OCR.
20. Convert  $BEED_{(16)} = ( ? )_{(2)} = ( ? )_{(8)}$
21. Differentiate GUI and CUI.
22. What is top down approach? Draw the diagram to find the area of rectangle.
23. Mention the rules for naming an identifier.
24. Explain the usage of get and put functions.
25. Give syntax and example to initialize
  1. 1-D array of integers

2. 2-D array of floating point numbers.
3. String.
26. Define structure for a college with the following data members college name, address, number.

**PART-D**

**III. Answer any 7 of the following questions:**

**7×5=35**

27. Briefly explain the classification of digital computers.
28. Explain the method of binary subtraction using 1's complement with example.
29. Explain the different stages of problem solving.
30. Write a note on shorthand operators.
31. Mention unconditional branching statements and explain.
32. Draw a flowchart to find the sum of digit of a number.
33. Write a c++ program to find second largest of n numbers.
34. Mention different types of user defined function. Explain any 2.
35. Explain any 5 mathematical functions in excel.
36. Write the steps involved in drawing a bar chart in spreadsheet.
37. Explain any 5 internet services.

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