



SRI BHAGAWAN MAHAVEER JAIN COLLEGE

Vishweshwarapuram, Bangalore.

Mock Examination February 2017

Course: I PUC

Subject: Computer Science (PCMC, ABEC & ABSC)

Max. Marks: 70

Duration: 3:00

Part-A

I Answer the following questions. Each carries 1 mark

1 x 10 = 10M

1. What is cache memory?
2. Which generation computers used the keyboard and monitors?
3. What is structured programming?
4. What is typecasting?
5. Define input stream?
6. Which is two way branching statement?
7. What is one dimensional array?
8. What are actual arguments?
9. What is extension of word processor file?
10. What is cell?

Part-B

II Answer any 5 questions. Each carries 2 mark

2 x 5 = 10M

11. Write any four characteristic of computers?
12. Give an application of OMR and OCR?
13. Compare hardware and software?
14. Define syntax error and logical error?
15. Mention any two characteristics of OOP?
16. Write modifiers used with fundamental data type?
17. Mention any four built in functions associated with math.h header file in C++?
18. What are header and footer in MS-Word?

Part-C

III Answer any 5 questions. Each carries 3 mark

3 x 5 = 15M

19. Mention two types of printers and explain any one.
20. Add $64_{(10)} + 35_{(10)}$ using binary addition?
21. Compare compiler and interpreter.
22. Explain any three characteristics of a good program.
23. Explain ternary operator with syntax and example.
24. Explain Output operator with purpose, syntax and example.
25. Define 2D array and explain how to initialize 2D array with example.
26. What is structure? Write syntax for structure definition.

Part-D

IV Answer any 7 questions. Each carries 5 mark

5 x 7 = 35M

27. Draw the neat block diagram of computer and explain.
28. Using 2's complement method and solve $73_{(10)} - 25_{(10)}$.
29. Write a flow chart to find to sum and average of N numbers
30. Explain the general structure of C++ program with example.
31. 1. Explain the working of for loop with syntax and example.
2. Write the syntax of switch statement and what is significant of default clause in switch.
32. 1. Correct the following code segments
IF(x=1)
K=100;
else
k=10
2. What is the purpose of break and continue statement?
3. Write the code segment using do while loop to display numbers from 1 to 10.
33. Define string and write a program to check whether given string is palindrome or not.
34. Explain the recursive function with example.
35. Explain any five arithmetic functions in MS excel with example.

36. Give any five application of MS excel.

37. Explain any five HTML tags with purpose, syntax and example.
