



Register Number:
Date: 09 /01/2021

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27
BCA – I SEMESTER
SEMESTER EXAMINATION: JANUARY 2021
CA1118- INFORMATION TECHNOLOGY AND PROBLEM SOLVING

Time- 2 1/2 hrs.

Max Marks-70

This question paper contains 2 pages and 3 sections.

SECTION A

Answer all the following questions

(2 x 10=20)

1. Define secondary memory. Give examples.
2. Explain the working of inkjet printers.
3. What is the difference between hardware and software? Give example.
4. Explain operating system along with examples.
5. How can you view your computer's details? Give the steps.
6. Explain the importance of computer maintenance.
7. Define top down method of problem solving.
8. Mention the differences between logical and syntactical errors.
9. What does the red triangle at the top right corner of the cell indicate?
10. Write down the keyboard shortcuts for the following functions:-
 - a) Making fonts bold:
 - b) Making fonts underlines:
 - c) Making fonts italic:
 - d) Increasing font size:

SECTION B

Answer any five of the following questions:

(6 x 5=30)

11. Explain minicomputer and mainframe computer in detail.
12. What is an impact printer? Explain any one of them.
13. Explain the data processing cycle and its types.
14. Briefly explain the evolution of microprocessors.
15. Give the algorithm & flow chart to add N natural numbers using while loop.

16. Differentiate between higher and middle level languages.
17. Explain the different features of spreadsheet applications.

SECTION C

Answer any two of the following questions:

(10x2=20)

18. Explain the structure of CPU in detail with a neat diagram.
19. Describe the working of memory of a computer along with its types.
20. Write the algorithm and flowchart to reverse a number.

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