QP Code:

B.M.S. COLLEGE FOR WOMEN

AUTONOMOUS

Basavanagudi, Bengaluru – 560004

NAAC Accredited 'A' Grade

Model Question Paper

Subject – Problem solving Techniques

Time : 2 Hrs   **Max marks : 60**

Note: Answer all the sections

PART A

I. Answer any **TEN** questions. Each question carries **TWO** marks: **(10X2=20)**

1. Define algorithm

2. What is Asymptotic Notation?

3. Explain Variables.

4. Define the formatted input - scanf.

5. Explain if else loop.

6. What is pointer?

7. Define array.

8. Write different types of array available in 'C'.

9. Define command line arguments.

10. What is sorting?

11. Write any two types of searching.

12. How to reverse a string without string function?

PART – B

Answer any **SIX** questions. Each question carries **FIVE** marks   **(6*5=30)**

13. Explain the structures of 'C' program with an example.

14. Explain any two types of Asymptotic Notation.

15. Write the Fibonacci series algorithm.

16. Short note on standard input and output

17. Explain while loop.

18. Explain an example of switch statement in 'C'.

19. Explain structure of for loop.

20. Write algorithm for bubble sort

PART – C

Answer any **ONE** question. Each question carries **TEN** marks   **(1*10=10)**

21. Write a C program to find the product of two matrices.

22. Write algorithm flowchart and program for factorial number.

23. Explain Histogramming with example in detail.

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