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Register Number:

**DATE: 22-04-2019**

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**M.A. ECONOMICS- II SEMESTER**

**SEMESTER EXAMINATION: APRIL 2019**

**EC 8518: Computer Programming**

**Time: 2.5 Hours Maximum Marks-70**

**This question paper has 1 printed page and 3 parts**

**Part A. Answer any five of the following: 2 X 5=10**

1. Write a brief note on main function.
2. Distinguish between getchar() and getch() function.
3. List the different format specifiers in C.
4. Evaluate the following statements (i) 3<5 && 8!=0 (ii) 2<1 || 5
5. Distinguish between global and local variables?
6. What are arrays?
7. What is a structure?

**Part B. Answer any three of the following: 10 X 3 =30**

1. Discuss the different steps involved in programming methodology. Briefly explain the different kinds of errors with examples.
2. Explain the basic structure of a c program with an example.
3. Write a note on different basic data types in C. Write a program to find the memory allotted for each of these data types.
4. What are the different kinds of loops in C? Write a program to find the sum of even numbers from 1 to 99.
5. What are two dimensional arrays? Write a program to find the sum of two 4X4 matrices.

**Part C. Answer any two of the following 15 X 2 =30**

1. Explain the various elements of a flow chart. State the advantages of using a flowchart. Design a flow chart to find the largest of two numbers.
2. What is an operator? Explain the arithmetic, relational, logical, and assignment operators in C language. Write a note on operator precedence and associativity.
3. State and explain different types of string functions with example. Write a program to find the length of a string without using a string function.

**EC 8518\_A\_19**