

Date:

Registration number:

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

M.A. ECONOMICS - II SEMESTER

SEMESTER EXAMINATION: APRIL 2022

(Examination conducted in July 2022)

**EC 8521 - Introduction to Programming in C and MS Excel**

Time- 2 ½ hrs Max Marks-70

This question paper contains 1 printed page and three parts

**Part A**

**Answer any five of the following: (2 X 5=10)**

1. What is a compiler?
2. List any four uses of Excel.
3. Distinguish between prefix and postfix increment operators.
4. Evaluate the following statements (i) (5%3) &&(6-5) (ii) 2<5 || 5>9
5. What are strings?
6. List any four keywords in C.
7. Write the syntax of “for loop”.

**Part B**

**Answer any three of the following: (10 X 3 =30)**

1. Explain any five functions in Excel.
2. Explain the basic structure of a C program with an example.
3. Discuss the various input-output functions in C programming.
4. What are the different kinds of loops in the C programming language? Write a program to find the sum of all numbers from 1 to 50.
5. Write a note on sizeof() operator. Write a program to demonstrate its use.

**Part C**

**Answer any two of the following (15 X 2 =30)**

1. What is an algorithm? State the advantages of using algorithms. Design an algorithm to find the area of a circle.
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. Explain different types of string functions.