**ST. JOSEPH’S UNIVERSITY, BENGALURU - 27**

**M.A. (ECONOMICS) – II SEMESTER**

**SEMESTER EXAMINATION: APRIL 2023**

**(Examination conducted in May 2023)**

**EC 8522 – INTRODUCTION TO PROGRAMMING IN C & MS EXCEL**

**(For 2022 - 23 batch students)**

**Time: 2 Hours Max Marks: 50**

**This paper contains 1 printed page and 3 parts**

**PART - A**

Answer any 5 questions 2 × 5 = 10

1. Define the following terms: compiler, assembler.
2. What is a string?
3. Distinguish between global and local variables.
4. Give any four examples of relational operators.
5. What is a pivot table?
6. Write a brief note on main function.
7. What do you mean by an algorithm?

**PART – B**

Answer any 2 questions 5 × 2 = 10

1. Briefly explain the different kinds of errors in programming with examples.
2. Explain any five functions in Excel.
3. Write a brief note on the history of C language.

**PART – C**

Answer any 2 questions 15 × 2 = 30

1. With a suitable example, explain the structure of a C program.
2. Answer the following:
   1. Explain the basic data types in C programming. (7)
   2. Explain if else statement with a suitable example. (8)
3. Answer the following:
   1. What is an algorithm? Discuss the advantages and disadvantages of using algorithms. (7)
   2. Design a flow chart to find if a number is divisible by 7. (8)