**B.Sc. DEGREE EXAMINATION, APRIL 2016.**

**III YEAR — VI SEMESTER**

**Major Paper — PROGRAMMING LANGUAGE ‘C’.**

**Time : 3 hours Max. Marks : 60**

**SECTION A — (10 × 1 = 10 marks)**

**Answer any *TEN* questions**

1. Define Variable.
2. Define Constants.
3. Write the syntax for ‘if’ statement.
4. Define Loop.
5. Define Function.
6. What is Recursion? Give example.
7. Define Array.
8. Define String.
9. Define Pointer.
10. Define Structures and functions.
11. Define go to statement.
12. Write the syntax for fprintf and fscanf functions.

**SECTION B — (5 × 4 = 20 marks)**

**Answer any *FIVE* questions**

1. Explain Data types.
2. Explain switch statement.
3. Explain user defined functions.
4. Define an array and explain its types.
5. Explain array within a structure and structure within a structure.
6. Explain input and output operation on File.
7. Explain union.

**SECTION C — (3 × 10 = 30 marks)**

**Answer any *THREE* questions**

1. Explain briefly ‘C’ operator.
2. Explain briefly about decision making statement.
3. Explain library functions.
4. Define String and explain briefly string handling functions.
5. Write the differences between call by value and call by reference.

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