**B.Sc. DEGREE EXAMINATION, APRIL 2017.**

**III YEAR — VI SEMESTER**

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

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

**SECTION A — (10 × 1 = 10 marks)**

**Answer any *TEN* questions**

1. What are Character set?
2. Define variables.
3. Mention the use of “break” statement.
4. Give the general syntax of “for” statement.
5. What is meant by return statement?
6. What is recursion?
7. Define Array.
8. What is a string? Give an example.
9. What do you mean by pointers in C language?
10. Define: structure.
11. Write the use of clrscr() statement.
12. What is meant by goto statement?

**SECTION B — (5 × 4 = 20 marks)**

**Answer any *FIVE* questions**

1. Explain different types of data type in C with an example.
2. Write the syntax of switch …case with an example.
3. List any 5 library function with an example.
4. Write a program to sort the array of numbers.
5. Declare the structure and give an example of structure operations.
6. Illustrate recursion with an example.
7. Explain different types of constant with an example.

**SECTION C — (3 × 10 = 30 marks)**

**Answer any *THREE* questions**

1. Explain various operators in C with an example.
2. Explain while, do…..while, for statement in C with an example.
3. What is meant by storage class? Explain.
4. Write a short note on multi-dimensional arrays. Illustrate 2-D array with an example.
5. What is a function? Explain the call by value and call by reference.

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