

Exam. Code : 105701

Subject Code : 1536

B.Sc. (IT) 1<sup>st</sup> Semester

## INTRODUCTION TO PROGRAMMING C

## Paper—II

Time Allowed—Three Hours] [Maximum Marks—75

**Note** :— Attempt any **FIVE** questions.

1. What are the data types available in the C language ?  
Explain each data type with the help of examples. 15
2. Discuss the input-output statement available in C to create interactive programs. 15
3. What is the difference between break and continue statements ? Explain with the help of a program which check a list of numbers to find an element. If number is found, it is printed and the program stops otherwise it continues. 15
4. What is a storage class ? Discuss different options available in C for storage classes. 15
5. What is recursion ? What are the advantages and disadvantages of using recursive code ? Write a sample code which implements a recursive function. 15

6. How is a string declared and initialized in C ? Write any four string handling functions. 15
7. How is a structure different from an array ? Create a structure and pass it to a function which prints the structure. 15
8. What is a pointer variable ? How is it declared and used ? Use a pointer variable to process a list of numbers. 15