Roll No. _____

SIIS 66 A-2K14

B.Sc. IInd Semester Degree Examination

Computer Science

(Advanced C-Programming)

Paper - 201

Time :3 Hours Maximum Marks : 80

Section - A

I. Answer the following questions **(15×1=15)**

1) How do you call a function?
2) What are formal parameters?
3) What is call by value?
4) Give the syntax of union in 'C'
5) What is Dynamic Memory allocation?
6) Give the names of pointer operators.
7) How do you display the address of variable?
8) How to open a data file in C?
9) What is the use of f close ( )?
10) Give an example to initialize structure.
11) What is the purpose of getw ( ) function?
12) What is local variable?
13) What is command line argument?
14) Define graphics?
15) Which header file is required for executing C graphics programs?

Section - B

II. Answer any **five** of the following. **(5×5=25)**

16) What are the advantages of using functions?
17) Write a C program to find factorial of a given number using recursive function.
18) Write a C program to illustrate array of structure.
19) Give the difference between structure and union.
20) Define pointer? Mention the advantages of pointers.

21) Explain file inclusion and macro substitution preprocessor directives with example.

22) Write a note on enumerated data type.

Section - C

III. Answer any **four** of the following. **(4×10=40)**

23) Explain the categories of functions with example.

24) What is structure? Write the general form of structure? How do you access the members of a structure?

25) Write a C program using pointers to compute the sum of all elements stored in an array.

26) Write a C program to create a data file to store the information such as book-no, book-title, author and price and display the same information by reading the data file

27) Define a file? Explain file opening modes in C with example.

28) Write a note on

i) Graphics functions

ii) Storage class specifiers.
