

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.