

Roll No. \_\_\_\_\_

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**SIIS- 66 A-17**  
**B.Sc. IInd Semester Degree Examination**  
**Computer Science**  
**(Advanced 'C' programming)**  
**Paper : CS - 201**

Time : 3 Hours

Maximum Marks : 80

**SECTION -A**

1) Answer the following questions.

(15 × 1 = 15)

- 1) What is function?
- 2) Define arguments?
- 3) How to call a function?
- 4) Write the General form of 'C' structure.
- 5) Which operator is used to access structure members through structure variables?
- 6) What is the DMA?
- 7) What is called & and ☆ ?
- 8) Which functions are used to open and close a file.
- 9) Define data file.
- 10) Which header file is required for executing 'c' graphics program.
- 11) Define macro substitution.
- 12) What is automatic storage class variables?
- 13) List any two conditional compilation directives.
- 14) How do you declare enumerated data types.
- 15) What is graphics?

**SECTION-B**

**II) Answer any FIVE of the following :**

**(5 × 5 = 25)**

- 16) What are the advantages of function?
- 17) Write a 'C' program to find addition of two numbers using function.
- 18) What are the differences between structure and union?
- 19) Explain malloc ( ) and calloc ( ) function.
- 20) Describe briefly on static storage class variables.
- 21) Write a note on
  - i) Command line argument.
  - ii) Union.
- 22) Explain input/output operations on files.

**SECTION-C**

**III) Answer any FOUR of the following.**

**(4 × 10 = 40)**

- 23) Explain different categories of function.
- 24) What is array of structure. Write a program of illustrate array of structure.
- 25) Explain different types of preprocessors.
- 26) What is pointer? How it is declare? Give the advantages of pointer.
- 27) Explain user defined data types.
- 28) Write a c program using pointers to compute the sum of all elements stored in an array.

