

B.C.A.- II (CBCS Pattern) Semester - III
UBCAT301 - Paper-I : Advanced C

P. Pages : 1

Time : Three Hours



GUG/S/23/11757

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to questions only.

Either :

1. a) What do you mean by function? Explain the user defined function by giving a suitable example. 4
- b) What is the String library functions? Explain the any four of them by giving an example. 4

OR

- c) List the types of User defined functions and explain any two with the help of example. 4
- d) Describe in detail the Storage classes in C. 4

Either :

2. a) Write a program to demonstrate the structure of student. 4
- b) What is Union? Write the difference between Structure and Union. 4

OR

- c) Write a detailed note on Arrays of structure. 4
- d) Define structure and explain the need of structure. 4

Either :

3. a) Give an introduction to pointer and explain how to declare pointer variable. 4
- b) Write a program to demonstrate the function with call by reference. 4

OR

- c) Write a program to demonstrate the pointer to pointer. 4
- d) What do you mean by Pointer to Array? Explain with example. 4

Either :

4. a) What do you mean by File handling in C? Explain. 4
- b) Write the difference between Binary mode and Text Mode. 4

OR

- c) How to handle Errors during File I/O? Explain the functions. 4
- d) Write a note on Command line argument. 4

5. Attempt **all** the questions.

- a) Write a short note on Function Prototype. 2
- b) List some characteristics of Union. 2
- c) Explain how to initialize the pointer variable. 2
- d) Write and explain any two Input and Output File handling function. 2
