

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**

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