

B.Sc. (IT) - II (C.B.C.S. Pattern) Sem-III  
**UBITT301 - Paper-I : Advance 'C'**

P. Pages : 1

Time : Three Hours



**GUG/S/19/10927**

Max. Marks : 40

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat and labelled diagram and use supporting data wherever necessary.  
3. Avoid vague answers and write specific answer related to questions.

- 1.** Either
- a) Write a program to find factorial of a number using user defined function. 4
  - b) What are the storage classes? Explain in detail. 4
- OR**
- c) Write a program to find power of a number using user defined function. 4
  - d) What are the types of user defined functions. Explain in detail. 4
- 2.** Either
- a) What is structure? Explain with suitable example. 4
  - b) Write a program for passing the complete structure to a function. 4
- OR**
- c) What is Enumeration? Explain how to create enumeration with example. 4
  - d) Write a program for passing individual elements of structure to function. 4
- 3.** Either
- a) Write a program to find area of circle using pointer. 4
  - b) Explain pointer & function with suitable example. 4
- OR**
- c) Write a program to demonstrate pointer to pointer. 4
  - d) Write a note on Declaring pointer variable and Initialization of pointer variable. 4
- 4.** Either
- a) What is command line Arguments? Explain. 4
  - b) What is file handling? Explain opening & closing file. 4
- OR**
- c) Give the difference between Binary mode & text mode. 4
  - d) What is error handling process? Explain. 4
- 5.** Solve all the questions.
- a) What is user defined function? Explain. 2
  - b) Write a note on period operator. 2
  - c) What is pointer operator? Explain. 2
  - d) Write a note on Random Access to files. 2

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