

B.Sc. (I.T.) - II (CBCS Pattern) Sem-III  
**UBITT301 - Advance C Paper-I**

P. Pages : 1

Time : Three Hours



**GUG/W/22/10927**

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) Define function. What do you mean by user defined functions? Explain them by giving suitable example. 4  
b) Write a program to find factorial of a number using user defined function. 4
- OR**
- c) Explain the following: 4  
i) Function prototype ii) Function call  
d) How arrays can be passed to a function? Explain it with suitable example. 4

Either:

2. a) What is structure? How to declare structure? Explain in detail. 4  
b) Write a program to pass individual elements of structure to function. 4
- OR**
- c) Explain the union in detail using suitable example. 4  
d) Write the difference between structure and union. 4

Either:

3. a) What do you mean by pointer and how to declare it explain with suitable example. 4  
b) Explain pointer to pointer in detail with suitable example. 4
- OR**
- c) What is structure pointer? Explain its use by giving suitable program. 4  
d) Write a program to demonstrate pointer to structure. 4

Either:

4. a) What is file handling? Why we need file handling? Explain in detail. 4  
b) Explain the procedure for opening a file with suitable example. 4
- OR**
- c) List and explain the various Input and Output file handling functions. 4  
d) Write a program to demonstrate opening and closing a file in file handling. 4

5. Attempt all the questions.  
a) What is function prototype? Explain in short. 2  
b) What do you mean by enumeration? Explain with suitable example. 2  
c) Write a short note on structure pointer. 2  
d) Write a note on Error handling during I/O operation. 2

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