

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

P. Pages : 2
Time : Three Hours



GUG/W/23/11757
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 answers related to questions.

Either:

1. a) What are user-defined function? and explain the function prototype. 4
b) Write a program in 'C' using function will print the first 20 Fibonacci numbers. 4

OR

- c) Define functions. Explain the need and advantages of function. 4
d) What is function prototype? Explain with suitable example. 4

Either:

2. a) Define structure & Explain the need of structure and how to initialize the structure. 4
b) Explain the following. 4
i) Period operator.
ii) Enumeration.

OR

- c) Write a difference between Union and structure. 4
d) Write a program of passing complete structure to function. 4

Either:

3. a) What do you mean by pointer? How we declare and initialize the pointer variable? 4
b) Explain the concept of pointer to Array with suitable example. 4

OR

- c) Explain the following. 4
i) Pointer operator.
ii) Pointer & strings.
d) Write a program to swap the contents of two variables using call by reference. 4

Either:

4. a) What do you mean by file Handling in C? Explain. 4
b) Explain how to access a files randomly using suitable example. 4

OR

- c) Explain the concept of Command Line Arguments in detail. 4
d) Write note on: 4
i) rewind
ii) fseek.
5. Solve all the questions.
- a) Explain the array & functions in brief. 2
b) Write down the characteristics of union. 2
c) Explain the concept of Pointer to Pointer. 2
d) Explain the fopen() and fclose() function. 2
