UBCAT 301 -Paper-I : Advanced C

P. Pages : 2

Time : Three Hours

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GUG/W/18/11757

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 answer and write specific answer related to question.

Either:-

1. a)   What is function prototype? Explain with suitable example   **4**

    b)   What is storage class? Explain automatic storage class in detail.   **4**

OR

    c)   What is user defined function? Explain the need of user defined function in brief.   **4**

    d)   Write a program to find factorial of a number using user defined function.   **4**

Either:-

2. a)   Define structure. What is the need of structure? Explain.   **4**

    b)   Explain the concept of nesting of structure with suitable example.   **4**

OR

    c)   Differentiate between structure and union.   **4**

    d)   Define structure having members roll no, name, and marks of 3 subjects ie phy, che, mth. Accept the information of 10 students and print them along with total marks.   **4**

Either:-

3. a)   What is pointer? Explain how to declare pointer variable with suitable example.   **4**

    b)   Write a short note on   **4**
       i)   Call by value   ii)   Call by reference.

OR

    c)   What is pointer operator? List and explain pointer operator.   **4**

    d)   Write a program to multiply and divide two numbers using pointer.   **4**

Either:-

4. a)   List and explain Input and output file handling functions.   **4**

    b)   Write a short note on command line arguments.   **4**

OR

	c)	Explain how to open and close a file with syntax and example.	**4**
	d)	Describe error handling during I/O operations.	**4**
5.		Solve all the questions.	
	a)	List and explain advantages of function.	**2**
	b)	What is union? Explain.	**2**
	c)	Write a short note on pointer to pointer.	**2**
	d)	Explain random access to files in short.	**2**

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