

B.C.C.A.- II (CBCS Pattern) Semester - III  
**UBCCAT305 - Paper-V : Programming With C**

P. Pages : 1

Time : Three Hours



**GUG/S/23/10630**

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 is Array? Explain Initialization of single and double dimension array. 4  
b) Write and explain any four string Library functions in 'C' 4

**OR**

- c) What do you mean by searching? Explain linear search method. 4  
d) What is need of array? Explain with suitable example. 4

Either:-

2. a) Define function. Explain the need for user-defined functions with example. 4  
b) Explain different category of user defined functions. 4

**OR**

- c) Write a program to find addition of two numbers using user defined functions. 4  
d) What are different Library functions used in 'C' Explain? 4

Either:-

3. a) What is structure? Specify its need. 4  
b) Write a note on Arrays of structure and Nested structure. 4

**OR**

- c) Differentiate between structure and Union. 4  
d) Write a procedure to declare and initialize the structure variable. 4

Either: -

4. a) Write a program in 'C' to find area of a circle using pointer. 4  
b) What is pointer? List the advantages of pointer. 4

**OR**

- c) Explain the pointer operator? 4  
d) Write a program to find the product and division of two members using pointer. 4

5. Attempt all the questions.

- a) Write a short note on Initialization of array? 2  
b) What is recursion? 2  
c) Describe Nested structures. 2  
d) Write a note on call by value. 2

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