

B.C.C.A.- II CBCS Pattern Semester-III
UBCCAT305 - Paper-V : Programming with C

P. Pages : 1

Time : Three Hours



GUG/W/23/10630

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 whenever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Define array? Describe the initialisation of single dimensional array in detail. 4
- b) Explain any four string library functions in 'C'. 4

OR

- c) What is searching? Explain linear search in detail. 4
- d) Write a program in C to find the addition of n elements using array. 4

Either:

2. a) What is user defined function? Explain the need of user defined function. 4
- b) Write a program in C to find the multiplication of two nos using user defined function. 4

OR

- c) What is function prototype? Explain with suitable example. 4
- d) Write a program in C to find the area of rectangle using user defined function. 4

Either:

3. a) Describe the concept of Nested array with suitable example. 4
- b) Explain how to initialise and display the values to structure with the help of suitable program. 4

OR

- c) What is structure? What is the need of structure? 4
- d) Give the difference between structure and union. 4

Either:

4. a) Explain pointer operators in detail. 4
- b) Describe how to open and close a file in C with a program. 4

OR

- c) Explain how to declare a pointer variable and how to initialise the value to pointer variable. 4
- d) Write a program in C to swap two nos using call by reference. 4

5. Solve all the questions.
- a) What is Bounce checking? Explain. 2
- b) Explain function header with suitable example. 2
- c) Write a note on period operator. 2
- d) Define pointer. 2
