

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

P. Pages : 2

Time : Three Hours



GUG/W/24/10630

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 vogue answer and write specific answer related to question.

Either

1. a) Define Array. Give the memory representation of two dimensional array. 4
- b) Write a program in C to find total positive and negative among any five numbers. 4

OR

- c) What is searching? Explain the concept of linear search in detail. 4
- d) Write a program in C to search item say K in array and print its position also. 4

Either

2. a) Explain the structure of user defined function with suitable example. 4
- b) Write a program in C to find power of a number using user defined functions. 4

OR

- c) List the four types of user defined functions. Explain any one in detail. 4
- d) Write a program in C to find addition of three numbers using UDF. 4

Either

3. a) Define structure. Explain the need of structure. 4
- b) Differentiate between structure and union. 4

OR

- c) Write a note on – 4
 - i) Address Operator
 - ii) Value at address operator.
- d) Write a program in C to define and accept the elements of structure RollNo- Name, three subject marks. Display it along with total marks. 4

Either

4. a) What is pointer? Explain how to declare and initialize the value to pointer variable. 4
- b) Write a program in C to read the contents of a file. 4

OR

- c) Write a note on – 4
- i) fprintf() ii) fscanf()
- iii) fwrite() iv) fwrite()
- d) Write a program in C to swap the two values using call by reference. 4
5. Solve all the questions.
- a) What is Bound checking in array? Explain. 2
- b) Explain following – 2
- i) strcat() ii) strcpy()
- iii) strcmp() iv) strlen()
- c) Explain the concept of nested structure. 2
- d) Describe how to open and close a file in C. 2
