2BCA3 - Paper-III : Structured Programming With C

P. Pages : 2   **GUG/S/18/5532**

Time : Three Hours ||||||||||||||||||||| Max. Marks : 80
                                              * 1 5 7 7 *
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Notes : 1. All questions are compulsory and carry equal marks.
         2. Draw need and labelled diagram and use supporting data wherever necessary.
         3. Avoid vague answers and write specific answer related to questions.

1.   Either

     a) Explain the basic structure of a C program with suitable example.   **8**

     b) What is Type casting? Explain in detail.   **8**

                                       OR

     c) What is constants? Explain various types of constant in detail.   **8**

     d) Explain formatted input output functions in detail.   **8**

2.   Either

     a) What is control statements? Explain switch --------- case in detail.   **8**

     b) What is sorting? Explain sequential sort in detail.   **8**

                                       OR

     c) Write a short note on.   **8**
         i)   Break   ii)   Continue
         iii) Exist

     d) Write a program to find the transpose of given matrix.   **8**

3.   Either

     a) What is union? Explain how to declare and access Union elements in C.   **8**

     b) Explain various types of user defined functions in detail.   **8**

                                       OR

     c) What is user Defined function? Write a program to find addition of two nos using   **8**
         function.

     d) Explain Nesting of structure with suitable example.   **8**

4.   Either

     a) What is pointer? Explain how to declare pointer variable with example.   **8**

b) Explain command line arguments in detail. **8**

OR

c) Explain call by value & call by reference in detail. **8**

d) Explain how to define, open and close a file in detail. **8**

5. Solve all the questions.

    a) Give the rules to name the variables in C. **4**

    b) Explain if --------- else in detail. **4**

    c) Explain strlen and strcpy with suitable example. **4**

    d) Explain Random Access to files in detail. **4**

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