davv bca question papers

May 2004

Bachelor of Computer Application (BCA) Examination

II Semester

'C' Programming

Time : 3 Hours]   [Max. Marks : 50

Note- *Attempt all five questions. Symbols have their usual meanings.*

1. (a) Write the size of int, char and float datatypes in ``C''.
    (b) Write a program in ``C'' to check whether given string is palindrome or not?

OR

What are operators? Write different types of operators in ``C''? Explain these operators with one example of each.

2. (a) Explain the use of `break', `continue' and `goto' statements with the help of one example of each.
    (b) What are External, Static, Register and Automatic Variables?

OR

(a) What are Parameters? Explain different types of Parameter used in ``C''?
(b) Write a function to calculate factorial of given Number.

3. (a) What are Pointers? Also define character pointers and Address arithmetic.
    (b) Describe how pointer arrays are initialized and how pointer to pointer are declared?

OR

(a) What do you understand by command line argument? Exlain with an example.
(b) Explain how multidimensional arrays can be initialized using pointers?

4. What are structures and arrays? How are they useful? Write a ``C'' program to store 50 voter records using structure with the fields-Voter-Id, Voter-Name, Voter-Age and Voter-Address.
    Also find the Voter-Id and Voter-Name of those Voters whose age is greater than 25.

OR

(a) What are Unions? What are Applications of Unions? Explain with suitable example.
(b) Explain the Utility of `typedef' feature in ``C''.

5. Write short notes on-
    (a) Standard Input and Output. (b) File I/O.
    (c) Memory Management Operators.
    (d) Call by Value V/s Call by Reference.

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