

May 2005

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) What do you mean by type conversion? Explain by example.
 (b) What is Bitwise Operator? Explain all Bitwise Operators with example.

OR

- (a) Write a 'C' program to find the greatest of 3 numbers using Logical Operators.
 (b) What is procedure rule? Explain order of evaluation of Arithmetic, Relational and Logical Operators.
2. (a) Write a 'C' program to calculate x^y .
 (b) Explain the difference between while and do while loops with example.

OR

- (a) What is switch statement? Explain its utility as compare with Nested if statement by suitable example.
 (b) What is recursion? Write a recursive function to find the sum of 'n' natural numbers.
3. (a) How Array elements can be passed to a function? Write a 'C' program to find the sum of elements of Array using function and pointers.
 (b) Explain the concept of pointer Arithmetic with example.

OR

- (a) What is string? Write a user defined function to calculate length of the string using character pointer.
 (b) Explain the concept of Pointer to Pointer with suitable example.
4. (a) What is Self Referential Structure? Explain its use in Data Structure.
 (b) How structure is passed to a function? Explain by example.

OR

What is Array of Structures? Write a 'C' program to read the information of 50 employees and print those employees whose designation is 'manager'.

Fields are code, name, salary, designation.

5. (a) Write a 'C' program to create new file. Records having two fields rollno and name.
 (b) Explain the difference between formatted and unformatted I-O functions.

OR

- (a) Explain different file Access Modes with example.
 (b) Explain Error handling during I-O operation.

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