

DISTANCE EDUCATION

B.C.A. DEGREE EXAMINATION, MAY 2008.

C PROGRAMMING

(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Explain in detail about the Top down approach in program development. (10)
(b) Explain about procedures in detail. (10)
2. (a) Explain about the structure of C with an example program. (10)
(b) Write short notes on : (10)
 - (i) Symbolic constant
 - (ii) Expressions.
3. (a) Design a program in C to sort 'n' numbers using quick sort. (10)
(b) Write short notes on : (10)
 - (i) Constants
 - (ii) Variables
 - (iii) Data types.

4. (a) Discuss in brief about formatted input and output statements. (10)
(b) Explain about different types of looping statements with example. (10)
 5. (a) Give an detail account on arrays. (10)
(b) Write a C program for Matrix Multiplication. (10)
 6. (a) Explain about the concept of pointers in C. (10)
(b) List out the operations on strings in C and explain it with an example. (10)
 7. (a) Write a program in C to copy an employee details from one file to an another file. (10)
(b) Write short notes on : (10)
 - (i) Macro substitution.
 - (ii) Conditional substitution.
 8. (a) Explain in detail about the operation on File in C. (10)
(b) Write short notes on : (10)
 - (i) Buffering.
 - (ii) Error handling.
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