

DISTANCE EDUCATION
B.C.A. DEGREE EXAMINATION, DECEMBER 2011.
C PROGRAMMING
(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Discuss on top down approach in program development. (10)
(b) Explain about procedures and recursion. (10)
 2. (a) Describe about various data types in 'C' with example. (10)
(b) Write short note on: (10)
 - (i) Identifiers.
 - (ii) Constants.
 - (iii) Variables.
 3. (a) Explain about formatted input and output statements with example.(10)
(b) Write a 'C' program to sort the given numbers in both ascending and descending orders by using arrays. (10)
 4. (a) Explain about structures and unions with example. (10)
(b) Write a 'C' program to find sum of array using pointer. (10)
 5. (a) Explain about various input and output operations on files. (10)
(b) What is a random access file? Explain about working with random access file. (10)
 6. (a) Write short notes for the following: (10)
 - (i) Switch statement.
 - (ii) Break and continue statement.
(b) Write a 'C' program for matrix multiplication using two dimensional arrays. (10)
 7. (a) What is a pointer? Explain about different storage classes. (10)
(b) Explain about dynamic storage allocation. (10)
 8. (a) Write short note on:
 - (i) Conditional Substitution.
 - (ii) Conditional compilation.
(b) Write a 'C' program to store and display employee details using file. (10)
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