DISTANCE EDUCATION

B.C.A. DEGREE EXAMINATION, MAY 2009.

C PROGRAMMING

(2003 onwards)

Time : Three hours   Maximum : 100 marks

Answer any FIVE questions.

$(5 \times 20 = 100)$

1. (a) Describe about stepwise refinement in detail.   (10)

    (b) Explain how the values of variables can be exchanged.   (10)

2. (a) Describe the various operators in C with examples.   (10)

    (b) Explain type conversion in detail.   (10)

3. (a) Explain if-else and else-if control statements with example programs.   (10)

    (b) Write a C program to sort the given 'n' numbers. (10)

4. (a) Explain the following :
        (i)   Do-While
        (ii) Go To.

    (b) Give a detailed account on arrays.   (10)

5. (a) Discuss on the category of functions.   (10)

    (b) Explain the String handling functions.   (10)

47

6. (a) Write a C program to pass pointers as arguments to functions. (10)

   (b) Explain structure with example. (10)

7. (a) Describe the various operations on files. (10)

   (b) Write a note on the following :

   (i) Buffering. (5)

   (ii) Error handing. (5)

8. (a) Explain the macro substitutions with example programs. (10)

   (b) Write a C program to copy the contents of one file to another file. (10)

_____