DISTANCE EDUCATION

B.C.A. DEGREE EXAMINATION, DECEMBER 2010.

C-PROGRAMMING

(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

$(5 \times 20 = 100)$

1. (a)   What is looping? Explain with example.   (10)

    (b)   Describe about stepwise refinement in detail.   (10)

2. (a)   Explain about the precedence of operators.   (10)

    (b)   Discuss in detail about the type conversion in expressions.
             (10)

3. (a)   Write a C program to find the given no is greater or not among two numbers.   (10)

    (b)   Write short notes on array.   (10)

4. (a)   Explain about infinite loop and rested loop with example.
             (10)

    (b)   Discuss about goto statement.   (10)

5. (a)   List and explain the string handling functions. (10)

    (b)   Discuss about dynamic storage allocation.   (10)

6. (a)   Write a C program to calculate the factorial of a given number.
             (10)

    (b)   What are the different storage classes? Explain. (10)

7. (a)   Write short notes on the following :

       (i)   Macro substitution.   (5)

       (ii)   Error handling.   (5)

    (b)   Describe the various operations on files.   (10)

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

    (b)   Discuss about Random Access with example.   (10)