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BCA/M-20   **52**

COMPUTER FUNDAMENTAL & PROGRAMMING IN C

Paper–BCA-101

Time : Three Hours]   [Maximum Marks : 80

Note : Attempt *five* questions in all, selecting *one* question from each unit in addition to compulsory question no. '1'. All questions carry equal marks.

Compulsory Question

1. (a) Difference between Main Frame Computer and Micro Computer.

   (b) Explain symbolic Constant with example.

   (c) Explain Break Statement with example.

   (d) Explain Strcpy () with examples.   (4×4=16)

UNIT–I

2. (a) What is Computer? Explain the use of Computers in Education and in Banking ?   8

   (b) Explain the concept of debugging and types of Errors?

                                                     8

3. Write short note on the following :

    (a) Program Design.

    (b) Magnetic Disk.

    (c) Flowchart.

    (d) Zip Disk.   16

UNIT–II

4. Explain all the Formatted and Unformatted I/O Operations function in C.   16

5. Explain the following by giving examples :

    (a) Keywords.

    (b) Assignment Statement.

    (c) Symbolic Constant.

    (d) Conditional Operator.   16

UNIT–III

6. Explain the following :

    (a) Else IF ladder with example.

    (b) Write a program to find Average of N Numbers.   16

7. Explain the following with examples :

    (a) Function Prototype.

    (b) Static Storage Class with life time.   16

UNIT–IV

8. (a) What is a Structure ? What are its features? How does a structure differ from an array ?   8

    (b) Explain the concept of Dynamic allocation using pointers.   8

9. Explain Two Dimensional Array and also write a program to transpose of a Matrix.   16

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