B.Sc. (With Credits)-Regular-Semester 2012 Sem.-I

COM-Sci-02
Computer Science-II
(Programming Logic & Techniques) Paper- II

P. Pages : 3

Time : Three Hours   Max. Marks : 50

Notes :   1. All questions are compulsory and carry equal marks.
          2. Draw neat labelled diagrams wherever necessary.

1. Either

    a) Explain in brief.   5
        i)   Machine language.
        ii) Assembly language.

    b) What are the characteristics of good   5
        programming languages?

                        OR

    c) Write notes on -   5
        i) Compiler.   ii) Interpreter.

    d) Explain in detail generation of computer   5
        programming languages.

2. Either

a) Define algorithm. What are the advantages and dis-advantages of algorithm?   5

b) Draw a flowchart to print and sum of 1 to 10 numbers.   5

OR

c) Define the following terms - Process analysis and problem analysis.   5

d) What is pseudo code? Write characteristics of pseudo code.   5

3. Either

a) Define the terms -
   i) Keywords.   ii) Identifiers.   5

b) What is operator? Explain Relational operator with suitable example   5

OR

c) Explain IF---THEN---ELSE. Structure with suitable example   5

d) What are the different types of looping statement. Explain any one with example.   5

4. Either

    a) What is array? Explain with example of   5
       one dimensional array.

    b) Write procedure to search an element from   5
       an array and display appropriate message.

OR

    c) Explain in detail two dimensional array.   5

    d) What are the features of Modular   5
       programming?

5.   Solve all the questions.

    a) Define Linker and Loader.   2½

    b) What are the advantages of flowchart?   2½

    c) Explain Multi-way conditional   2½
       statement.

    d) Explain the one dimensional array   2½
       initialization with example.

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