R10

I B.Pharmacy I Semester Supplementary Examinations, Feb/Mar 2014
COMPUTER PROGRAMMING

Time: 3 hours   Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is CPU? Explain about various components of CPU.

    (b) Differentiate between hardware and software   [8+7]

2. What are bitwise shifting operators? Explain about bitwise shifting operators with
    suitable programming example.   [15]

3. (a) Explain different looping statements with syntax and examples

    (b) Write a C program to find the sum of the following series:
        $1^2+2^2+3^2+\ldots n^2$ [8+7]

4. (a) Explain detail about operations on 1-D array?

    (b) Explain about string manipulations with examples.   [8+7]

5. (a) Give some important points while using return statement.

    (b) Describe about scope rules of a variable.   [8+7]

6. (a) Write a program to print value and address of variable.

    (b) How pointers are used in array? Explain.   [9+6]

7. (a) How to declare a structure in C? Explain with an example.

    (b) How to access the elements of a structure and explain with an example? [8+7]

8. (a) Explain handling of files using command line arguments

    (b) Write a program to copy one file data into another file.   [7+8]

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