

Code No: B1108/R10

**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:  
 $1^2+2^2+3^2+\dots n^2$  [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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