Code No: B1108   (**R10**)   (SET - 1)

I B. Pharmacy I Semester Supplementary Examinations, Jan/Feb - 2018
COMPUTER PROGRAMMING

Time: 3 hours   Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. a) i.   Discuss Compiler, interpreter, translator   (8M)
       ii. What is a flow chart? Give a flow chart for addition of two numbers.

   b) i.   Give the structure of C program.   (7M)
       ii. Discuss Basic Data Types and Sizes

2. a) Explain in detail about the bitwise operators with examples.   (8M)

   b) Discuss clearly about Two-way selection with suitable example.   (7M)

3. a) Write a program for calculating the length of a string without using string handling   (8M)
       functions.

   b) Discuss different kinds of loops available in C with examples.   (7M)

4. a) What is an array? Explain the declaration and initialization of one and two   (8M)
       dimensional arrays with suitable example.

   b) i.   What is an array indexing? Explain with an example.   (7M)
       ii. Write a C program to add two matrices.

5. a) i.   Explain scope and lifetime of variables.   (8M)
       ii. Discuss the usage of Pre-processor statements in C.

   b) Discuss the following: (7M)
       i.   Local variable Vs. global variables.
       ii. Actual Arguments Vs. Formal Arguments.

6. a) Explain Pointer to Function with proper example.   (8M)

   b) Give an overview of dynamic memory management functions.   (7M)

7. a) What is structure? Why structure is needed? Differentiate between structure and   (8M)
       array.

   b) Explain union. How it is differ from structure?   (7M)

8. a) Explain the following input output functions of file handling with example.   (8M)
       (fopen(), fclose(), getc(), putc(), fprintf(), fscanf(), getw(), putw(), fseek(), ftell(),
       rewind())

   b) Compare and contrast Text and binary files.   (7M)