

PY - 102
B.Pharmacy I Semester
Examination, December 2014
Computer Applications
Time : Three Hours
Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each questions are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Differentiate between hardware and software of a computer?

b) What is the octal equivalent of the binary number 10001010101?

c) What is flash memory? What are the two types of flash memory? Compare their characteristics.

d) Discuss the various generations of computers? Also list out characteristics of each generation.

OR

Draw the block diagram of computer and explain its each component.

2. a) What do you understand by the term multiprogramming?

b) What are the functions of MS-DOS?

c) Explain the core components of MIX operating system?

d) Briefly explain the term process scheduling? Explain any one type of process scheduling with an example.

OR

Differentiate between internal and external DOS commands. Give five commands for each type along with their function.

3. a) What is a computer network? Give its objectives.

b) What is a bridge? Differentiate between a hub and a bridge.

c) What is the function of TCP? Is TCP essential in internet? Why?

d) Discuss the various types of network topologies used in computer networking? Give advantages and disadvantages of each topology.

OR

Explain briefly:

i) World Wide Web ii) URL

iii) HTML iv) Transmission media

4. a) Differentiate between compiler and interpreter?

b) What are high level languages? List out its features.

c) Define recursion? Write any program showing recursion.

d) Write a 'C' program to generate Fibonacci series using function?

OR

Write a 'C' program to reverse a four digit numeric number using while loop.

5. a) Define the term word processing?

b) How can you create a table in MS word. Also write the procedure to increase or decrease the rows or column in table.

c) Write the function of power point presentation?

d) What is mail merge? Write the steps to perform mail merge? OR

Write short note

i) import and Export of files ii) Printing setups