

Roll No.....

Total No. of Questions : 10] **Paper ID [PH115]** [Total No. of Pages : 03

(Please fill this Paper ID in OMR Sheet)

**B.Pharmacy (Semester - 1<sup>st</sup>)**

**COMPUTER SCIENCE & APPLICATIONS (PHM - 1.1.5)**

**Time : 03 Hours**

**Maximum Marks : 80**

**Instruction to Candidates:**

- 1) Section - A is **compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Three** questions from Section - C.

**Section - A**

**Q1)**

**(15 × 2 = 30)**

- a) Explain the working of a linker and loader in the execution of software programming.
- b) What are the macro instructions of an assembly language? Write its advantages and limitations.
- c) Write and compare hybrid and digital computer.
- d) Distinguish between primary memory and internal processor memory.
- e) Discuss the advantages of minicomputers over microcomputers.
- f) How can we merge a file using mail merging?
- g) How computer is helpful in clinical applications.
- h) Define Web page and web site.
- i) What do you mean by root directories, subdirectories and current directories with example.
- j) Differentiate between :
  - (i) Copy con and edit.
  - (ii) Copy and move.
- k) Explain various components of data transmission system.
- l) Is WWW a distributed database or a digraph or both. Justify the answer.
- m) Write the basic shortcuts used in Word - 2000.
- n) How can you assign a value during the data type declaration statements? Can you use a symbolic statement?

- o) What are the error routine available in C? Describe them with error file handler.

### Section - B

(4 × 5 = 20)

- Q2)** Write all six types of classifications of computers by its size, capacity, speed and functions.
- Q3)** With the help of diagrams, explain how RAM, ROM, and CPU interact with each other?
- Q4)** Differentiate between LAN and WAN. What is the role of Modem in communication?
- Q5)** Describe the following networking devices : router, hub, gateway, bridge and NIC.
- Q6)** For each of the following 16-bit signed numbers, tell whether it is positive or negative :
- (a) 1111111100100010b.
  - (b) 7AF3D.
  - (c) AC47B.
  - (d) 8007E.

### Section - C

(3 × 10 = 30)

- Q7)** (a) Compare and explain multiprogramming, multiprocessing and time sharing operating systems.
- (b) Differentiate among types of operating systems and describe each type.
- Q8)** (a) Explain in detail about any six popular languages with their key features.
- (b) Make dynamic presentation of your seminar in power point. Give all the steps to be followed for making electrifying presentation using multimedia effects.

- Q9)** (a) What are the different printing-related preferences we have in print option dialog box? And how we set print out for a color photo in fast portrait form?
- (b) Write a C program to print 5x5 matrix.

- Q10)**(a) Using condition operator determine:
- (i) Whether the character enter through the keyboard is a lower case alphabet or not.
- (ii) Whether the character enter through the keyboard is a special symbol or not.
- (b) Why computer Viruses are harmful. Differentiate between Trojan & worms?

