

B. Pharm (Second Semester) (C.B.S.) (Old) Examination
STATISTICS AND COMPUTER APPLICATION IN PHARMACY

Paper—6

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. 1 is compulsory.

(2) Attempt any four questions out of remaining.

(3) Assume suitable data wherever necessary.

1. Solve any five of the following : 20

- (a) Define central tendency of statistical data. What are the requirements of a good measure of central tendency.
- (b) Explain what do you mean by statistics.
- (c) What is dispersion of data ? Describe range, mean deviation and standard deviation.
- (d) Explain the methods of studying correlation.
- (e) Write a note on powerpoint.
- (f) Draw a block diagram of computer architecture.
- (g) What is LAN ? Explain briefly.

2. What is Operating System ? Explain in detail the DOS Operating system and UNIX operating system. 15

3. From the following data calculate two lines of regression : 15

X	16	20	17	21	15
Y	50	60	58	60	55

- (i) Estimate value of Y when X = 25
- (ii) Estimate value of X when Y = 50

4. (a) Describe the working of central processing unit of a computer. 8

(b) Describe the classification of Computer. 7

5. (a) What is analysis of variance ? Describe the procedure of ANOVA. 8

(b) Describe graphical representation of statistical data. 7

6. (a) Describe the application of computer in drug design and pharmacokinetics. 8

(b) Describe World Wide Web and browser. 7

7. (a) Calculate coefficient of variation for the following data : 8

X : 15, 12, 9, 18, 21, 15

(b) Explain the concept of regression. 7