

B.Pharm. (Second Semester) (C.B.S.) Examination
STATISTICS AND COMPUTER APPLICATION IN PHARMACY
Paper—6 (2 T 6)

Time : Three Hours]

[Full Marks : 80

- N.B. :**— (1) Question No. **1** is compulsory.
 (2) Solve any **FOUR** questions from the remaining.
 (3) Draw neat labelled diagram wherever necessary.
 (4) Use of electronic calculator is permitted
 (5) Assume suitable data wherever necessary.

1. Solve any **FIVE** of the following :

- (a) What is statistical data ? Give the methods of collecting statistical data.
 (b) Write in detail about frequency distribution.
 (c) What is ANOVA ? Write about one way ANOVA briefly.
 (d) What is discordant data ? Give test to reject discordant data.
 (e) Define line of regression. Give its properties.
 (f) What is operating system ? State its functions.
 (g) Describe World Wide Web and Browsers.

5×4=20

2. (a) What is central tendency ? Describe mean, mode and median with its equation.

8

(b) Calculate the standard deviation from the following data :

X	2	3	4	5	6
f	1	5	8	4	2

7

3. (a) What do you mean by statistical inference ? Describe various sampling methods.

7

(b) Calculate Karl-Pearson's correlation coefficient from following data :

X	14	16	17	18	19	20	21	22	23
f	84	78	70	75	66	67	62	58	60

8

- | | | | |
|----|-----|--|---|
| 4. | (a) | Describe generations of computers. | 8 |
| | (b) | Give characteristics of computer. | 7 |
| 5. | (a) | Define Hardware and Software. Give types of software. | 8 |
| | (b) | Give application of computer in pharmacy. | 7 |
| 6. | (a) | Write a note on PowerPoint presentation. | 8 |
| | (b) | Give various types of printers. | 7 |
| 7. | (a) | Describe graphical representation of statistical data. | 8 |
| | (b) | Write in detail about Input and Output devices. | 7 |