

**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

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|----|-----|--|---|
| 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 |

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