

**B.Pharm. (Second Semester) (C.B.S.) Examination**  
**STATISTICS AND COMPUTER APPLICATIONS IN**  
**PHARMACY—2T6**  
**Compulsory Paper—VI**

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 labeled diagram wherever necessary.  
(4) Use of electronic calculator is permitted.

1. Solve any **FIVE** of the following :—
- (a) Define mean, mode, median with the help of equation.
  - (b) What is software ? Classify it with suitable examples.
  - (c) What is meant by output device ? Explain any two output devices.
  - (d) Calculate mode for the following data :

<b>Class Limits</b>	<b>Frequency</b>
0—30	08
30—60	13
60—90	22
90—120	27
120—150	18
150—180	07

- (e) Explain data graphics with suitable example.
- (f) What are regression lines ? State properties of regression lines.
- (g) Define frequency distribution with suitable example. 20
2. (a) Describe the analysis of variance. Write the ANOVA procedure. 8
- (b) State Horace Secrist's definition of Statistics. Give its contents and scope. 7
3. (a) What is correlation ? Describe the methods of studying correlations. 8
- (b) Calculate coefficient of variations from the following data :

X	f
4	3
8	13
12	22
16	37
20	18
24	12
28	2

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4. (a) Describe applications of computer in Hospital and Clinical pharmacy. 7
- (b) Write in brief about computer networking. 8
5. (a) Describe the generations of computers. 7
- (b) Explain Low and High level languages for computer. 8
6. (a) Describe working of C.P.U. 8
- (b) Give brief introduction about mean absolute deviation and standard deviation. 7
7. (a) Short note (any **ONE**) :— :
- (i) Types and functions of operating system.
- (ii) Network Topologies. 8
- (b) Draw a block diagramme and explain the organisation of a computer unit. 7