NTK/KW/15/6980

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 :

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

MVM—46557   1   Contd.

(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

                                                                        7

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 Tpologies.   8

   (b) Draw a block diagramme and explain the organisation of a computer unit.   7