

Total No. of Questions : 6]

SEAT No. :

P3386

[Total No. of Pages : 3

[5245]-107

First Year B. Pharmacy

1-7 COMPUTER APPLICATIONS & BIostatISTICS

(2008 Pattern)

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Answers to the two sections should be written in separate answer books.
- 3) Figures to the right indicate full marks.

SECTION - I

Q1) a) Define statistics. Explain scope of statistics in pharmaceutical sciences. [5]

b) Following are the health insurance claims (dollar amounts). Find the median & mean. [5]

Data: 1100, 1900, 600, 890, 690, 8900, 380, 1200, 1050.

OR

a) A card is drawn from a pack of cards, Find the probability that

i) The card drawn is spade.

ii) The card drawn is a face card.

b) What is central Tendency? Explain the different measures of central Tendency.

Q2) a) Obtain the lines of regression of Y on X and X on Y. For the following data: [10]

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

b) Give a testing of hypothesis procedure [5]

P.T.O

- Q3)** a) A problem in statistics is given to two students for solving probability that first student will solve the problem is $\frac{2}{3}$ and probability that second student will solve the problem is $\frac{3}{4}$. Find the probability that- [5]
- i) Both the students will solve the problem.
 - ii) Both the students will not solve the problem.
 - iii) Problem will be solved.
- b) Calculate spearmanis rank correlation coefficient betⁿ the following marks given by two judges in series of eight one act plays in a drama competition.[5]
- | | | | | | | | | |
|------------------|----|----|----|----|----|----|----|----|
| Marks by judge A | 81 | 72 | 60 | 33 | 29 | 11 | 56 | 42 |
| Marks by judge B | 75 | 56 | 42 | 15 | 30 | 20 | 60 | 80 |
- c) Write a short note on analysis of variance. [5]

SECTION - II

- Q4)** a) What are output Devices? Explain any two output devices. [5]
- b) What is secondary storage? State and explain any two examples of secondary storage device. [5]
- c) Explain [5]
- i) Compiler
 - ii) Interpreter

- Q5)** a) Explain Generation of computers [5]

OR

Explain classification of software.

- b) Explain various features of Windows O.S. [5]

OR

Explain any two G.U.I. components of windows

- Q6)** a) Explain any two features of Word Processor. [5]
- b) State and explain any two built in functions used in MS-Excel. [5]
- c) What is MS Power point? State its various uses in our day to day life.[5]

OR

- c) What is MS-Outlook? Explain its functioning.

