School of Medical and Allied Sciences
Bachelor of Pharmacy
Mid Term Examination - Mar 2024

Duration : 90 Minutes
Max Marks : 30

Sem VIII - BPHT8001 - Biostatistics and Research Methodology

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Define the mean of data set. — K1 (2)

2) Is it possible for a dataset to have more than one mode, Explain. — K2 (2)

3) Write the coefficient of regression of Y on X. — K2 (2)

4) Write two merits and two demerits of the mean. — K1 (2)

5) Write the regression line of Y on X for straight line. — K2 (2)

6) A football team keeps records of the number of goals it scores per match during a season. Find The Mean. — K3 (5)
No of goals: 0   1   2   3   4   5
Frequency: 8   10   12   3   5   2

7) The two lines of regression are given as X+2Y-5=0 and 2X+3Y=8. Then find the mean values of X and Y. — K4 (5)

OR

Classify the concept of non-parametric tests. — K4 (5)

8) Find the value of mean for the following distribution using step deviation method: — K5 (10)
Class: 0-10   10-20   20-30   30-40   40-50
Frequency: 7   8   20   10   5

OR

Find the value of median for the following distribution: — K5 (10)
No. of days for which absent (less than): 5   10   15   20   25
 30   35   40   45
No. of Students: 29   224   465   582   635
 644   650   653   655