

- 9. What is mean, median from mode?
- 10. How is degree of freedom calculated?

PART – B

Answer any **FOUR** of the following:

 $4 \ge 10 = 40$ Marks

- 11. Differentiate between skewness and kurtosis.
- 12. What are the components of a table?
- 13. Draw a pie diagram for the following data and write its significance.

Dungroller	14
Centipede	7
Millipede	11
Collembola	19
Bugs	4

- 14 What are the different types of co-efficients of correlation?
- 15 What are the different kinds of regressions?

16 Calculate the Chi square for the following data and find if there is any significance between vaccination and disease. Table value = 3.84

Vaccinated	Normal	Dead
Deceased cow	51	12
Deceased goat	60	18

PART – C

Answer any **TWO** of the following:

17. What is the significance of graphs and diagrams?

18. Give an account on SPSS applications in bio-statistics.

19. By ANOVA find if there is an increase in paddy production in different sub species

in different plots. Tv=3.49

А	В	С	D
5	6	9	11
3	5	4	9
3	7	8	7
5	2	3	5

20. The following table shows the age (x) and BP (Y) of six individuals. Find regression equation of X on Y and estimate BP of a person of 61, 68 and 75 years respectively.

Age (x)	31	43	51	70	67	35
BP (Y)	127	135	145	160	155	130

 $2 \ge 20 = 40$ Marks