MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE

SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: III	Term	: First	Academic Year	: 2024-25
Course No.	: STAT 231	Title	: Statistical Methods		
Credits	: 2 (1+1)				
Day & Date	: Wednesday, 23.10.2024	Time	: 09:00 to 11:00 hrs.	Total Marks	: 40

Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
2. All questions from SECTION 'B' are compulsory.
3. All questions carry equal marks.
4. Draw neat diagram wherever necessary.

SECTION 'A'

Q.1 State the characteristics of Normal distribution.

Q.2 State the merits and demerits of Standard Deviation.

Q.3 Write in brief about the advantages of graphs or charts.

Q.4 Write the ANOVA table for one way analysis.

Q.5 Define Mean. State the characteristics of good average.

Q.6 State the limitations of Statistics.

Q.7 Explain any four events in probability.

Q.8 Write in brief about sampling and complete enumeration.

Q.9 State the properties of Correlation coefficient.

Q.10 Write short notes on:

a) Null and alternative hypothesis b) Skewness

SECTION 'B'

Q.11 State True or False:

1) Poisson distribution is continuous distribution.
2) Range is a measure of central tendency.
3) F-test is used for testing the equality of two sample means.
4) Rank Correlation Coefficient is suggested by Karl Pearson.

Q.12 Answer the following in one word/sentence:

1) Write the standard form of simple linear regression model.
2) What is Type-I error?
3) Define: Population.
4) State the formula for empirical relationship among Mean, Median and Mode.

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind