MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

B.Sc. (Hons.) Agric ılture

Semester : III (New) Term	: I Academic Year : 2019-20
Course No. CTLATION	
Course No. : STAT 231	: Statistical Methods
Credits : 2(1+1) Day & Date : Saturday, 16.11.2019 Time	: 09.00 to 11.00 Total Marks : 40
Note: 1. Solve ANY EIGHT questions from 2. All questions from SECTION "B" 3. All questions carry equal marks. 4. Draw neat diagrams wherever neces	are compuisory.
SECTION	"A"
Q.1 What is Statistics? Give its importance and li	mitations.
Q.2 State the characteristics of an ideal Measure a	and explain any one.
Q.3 Define Correlation. State different types of co	orrelation and explain any two.
Q.4 Explain in detail Range and Variance.	
Q.5 Define Coefficient of regression and state its	properties.
Q.6 Write the steps involved in hypothesis testing.	a de desdessan
Q.7 Define the term sample. Explain the concept of	of Random sampling and Standard error.
Q.8 State assumptions of Simple linear regression	and write down its equation.
Q.9 Define probability and find the probability of g	getting two heads, if coin is tossed 2 times.
Q 10 Write short notes (Any Two).	
a) Chi-square test) Student t-test
c) Analysis of Variance	
SECTION "B	,,,
Q.11 Define the following terms.	
1) Type of error 2,) Independent Events
3) Parameter 4)	Mode
Q.12 Fill in the blanks.	
1) The father of Statistics is	
2) If A' complement of event A then P(A') =	
Conclusion drawn from sample is called The everyone relationship between development and an everyone development.	
4) The average relationship between dependent a	na maepenaent variable is known
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