

KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Food. Engg.) 2016 Admission V Semester Final Examination-January 2019

Basc.3110

2

CRD

Statistics (1+1)

Marks: 50

Time: 2 hours I Choose the correct answer (10x1=10)Which of the following is a measure of central value? b Mean Ouartile deviation a Median c Mode Type I error is also known as 2 a Level of significance b Power of the test c One tailed test Two tailed test d Which measure of dispersion ensures lowest degree of reliability? b Mean deviation c Quartile deviation Standard deviation A family of parametric distribution in which mean is greater than variance is: a Binomial b Gamma c Normal Poisson One way ANOVA is the example of b CRD a RBD c LSD d FRBD State True or False If the observations are infinite we can go for Lottery method. In F-statistic S_1^2 and S_2^2 are unbiased variances. In normal distribution skewness is zero. 8 When the heterogeneous population is divided into homogeneous sub groups, such group is 10 As the sample size increases the sampling distribution of the sample mean approaches the Binomial distribution П Write Short notes on any FIVE of the following (5x2=10)1 Parameter and Statistics Characteristics of Normal Distribution. (any Three) 3 Type I and Type II error Paired-t-test. np chart. χ^2 test. 6 One way ANOVA.- Definition and its model Ш Answer any FIVE of the following. (5x4=20)1 Skewness and Kurtosis 2 Scatter diagram. 3 Probability and its laws. 4 Testing procedure of test for single mean. 5 Correlation analysis. Normal distribution. X-bar chat. IV Answer any ONE of the following (1x10=10)Basic principles of experimental design. 1
