1209-16-467-014

Code No. 3321

FACULTY OF SCIENCE
B.Sc. VI-Semester (CBCS) Examination, May / June 2019

Subject : Statistics

Paper – VII (DSC) : Design of Experiments, Vital Statistics, Official Statistics and Business Forecasting

Time : 3 Hours   Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)
Note : Answer any FIVE of the following questions.

1 ANOVA Table for a two way classified data.
2 Efficiency of a Design
3 Advantages of LSD over CRD.
4 Describe briefly the methods for calculating national income.
5 Role of forecasting in Business.
6 Principle of Local control.
7 Abridged Life Tables
8 Specific Death Rate

PART – B (3 x 15 = 45 Marks)
(Essay Answer Type)
Note: Answer ALL the questions.

9 (a) Give complete statistical analysis of ANOVA one way classification.

OR

   (b) Give the layout of a Randomized Block Design and estimate the missing observation in this Design. Also give its statistical analysis.

10 (a) What is the Design of Latin Square? Obtain the expectations of various sum of squares in Latin Square Design.

OR

   (b) Explain the methods to collect yield statistics of various crops and explain functions of CSO.

11 (a) Define and compare various measures of fertility.

OR

   (b) Define a Life Table. Describe various components of a Life Table.

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