Code:6311E1/R

Faculty of Science

B.Sc (Statistics) III-Year, CBCS-VI Semester

Regular Examinations -June/July, 2022

PAPER-VII: Applied Statistics-II

Time: 3 Hours Max Marks: 80

Section -A

I. Answer any eight of the following

(8X4=32 Marks)

- 1. Define ANOVA and state Cochran's theorem.
- 2. Find the expected sum of squares due to error in two-way classification.
- 3. Explain the estimation of parameters in one-way classification.
- 4. What are the principles of experimental design? Explain.
- 5. Explain missing plot technique in CRD.
- 6. Discuss the layout of L.S.D.
- 7. Explain registration Method and Census Method.
- 8. Explain the measurement of population growth.
- 9. What is abridged life-table? Discuss its importance in vital statistics.
- 10. Briefly explain Yield Statistics.
- 11. Index numbers are barometers. Explain
- 12. Explain base shifting, deflecting of an index number.

Section -B

II. Answer the following questions.

(4X12=48Marks)

13. (a) Explain in detail the statistical analysis of variance of two-way classification.

(OR)

- (b) Why we need for ANOVA and explain the assumptions of ANOVA.
- 14. (a) Explain Statistical Analysis of CRD.

(OR)

- (b) Explain efficiency of LSD over RBD when rows are taken as blocks.
- 15. (a) Explain in detail different fertility rates.

(OR)

- (b) Define Life table and explain the various columns of life table.
- 16. (a) Explain what are the different methods of measuring National Income.

(OR)

(b) Define Index Numbers and explain what the problems are involved in the construction of Index Numbers.
