GURUDAS COLLEGE

STATISTICS [General] Paper-CC4 /GE4

B.Sc. 4th Semester, July 2021

Internal Assessment Exam

F.M=10

Time-30 minutes

Answer any 10 questions.

(1x10)

- 1. What do you mean by Demography?
- 2. How does ASDR improve the CDR?
- 3. "GFR of a country in a certain year is 97 per thousand"-what do you mean by this statement?
- 4. What do you understand by life table stationary population?
- 5. What is the additive model that is usually adopted to analyze time series data?
- 6. With which component of time serieswould you mainly associate the following:(a) Increase in the sale of Maruti car
 - (b) Sales of a department store before Puja.
- 7. Suppose the trend equation is $T_t = 10 + 0.5t 0.2t^2$ (origin 1990, unit of t = 1 year). Find trend value for the year 2010.
- 8. Where does non-sampling error occur?
- 9. Write down the objectives of faulty planning.
- 10. Give an example in sampling where testing is destructive.
- 11. Write down the efficiency of stratified random sampling over simple random sampling.
- 12. What is the most serious limitation of optimum allocation?
- 13. How can you change from un-stratified simple random sampling to stratified random sampling? Write down the gain in precision of the estimates results from two components with this purpose.
- 14. Write down two main problems in stratification.
- 15. Write down Fisher's formula in Index Number.