Theory of Estimation and Sampling Survey	Course Code: B060301T

Course outcomes:

After completing this course, a student will have:

- ➢ Knowledge of the concept of Sampling distributions.
- ➢ Ability to understand the difference between parameter & statistics and standard error & standard deviation.
- ➢ Knowledge of the sampling distribution of the sum and mean.
- ➢ Ability to understand the t, f and chi-square distribution and to identify the main characteristics of these distributions.
- ➢ Knowledge of the concept of Point and Interval Estimation and discuss characteristics of a good estimator.
- ➢ Ability to understand and practice various methods of estimations of parameters.
- ➢ Ability to understand the concept of sampling and how it is different from complete enumeration.
- ➢ Knowledge of various probability and non-probability sampling methods along with estimates of population parameters.
- ➢ Ability to identify the situations where the various sampling techniques shall be used.
- ➢ Knowledge of sampling and non-sampling errors.