

CO for Second Year UG
AY 2023-24
Revised as per NEP

Faculty of Science
Department of Statistics

Probability Distributions – I	<ol style="list-style-type: none">1) bivariate discrete distributions with real life situations.2) continuous random variable and find the various measures, probabilities using its probability distribution.3) transformation of univariate continuous random variable.4) some standard continuous probability distributions with real life situations.5) the relations among the different distributions.
Statistical Methods–I	<ol style="list-style-type: none">1) obtaining multiple linear regression equations and their applications.2) the concept of multiple correlations, partial correlation and their computations.3) need, construction and utility of various index numbers.4) the concepts related to national income and different methods of estimation of national income.
Probability Distributions – II	<ol style="list-style-type: none">1) some standard continuous probability distributions with real life situations.2) finding the various measures of continuous random variable and probabilities by using its probability distributions.3) the relationships among different distributions.4) continuous bivariate r.vs. and probability distributions of their transformations.5) concept of sampling distribution of a statistic.6) some sampling distributions of a statistic : Normal, Chi-Square, t and F distributions with their applications and interrelations.
Statistical Methods – II	<ol style="list-style-type: none">1) the concept and use of time series analysis.2) the meaning, purpose and use of Statistical Quality Control, construction and working of control charts for variables and attributes.3) applying the appropriate small sample tests and large sample tests in various situations.



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