

Shikshan Prasarak Mandal's
Gopal Krishna Gokhale College, Kolhapur
Course Outcomes
Department of Statistics

Class	Semester	Paper Name & Number	Outcomes
B.Sc.I CBCS	Sem.-I & II	Paper I & II	By the end of course the Students will be able to: 1. Compute various measures of central tendencies, dispersion, moments, skewness, kurtosis and to interpret them. 2. Analyze data pertaining to attributes and to interpret the results. 3. Distinguish between random and non-random experiments. 4. Find the probabilities of various events. 5. To understand concept of conditional probability and independence of events..
		Paper III & IV	By the end of course the Students will be able to: 1. Compute correlation coefficient, interpret its value. 2. Compute regression coefficient, interpret its value and use in regression analysis. 3. Compute various index numbers. 4. Apply discrete probability distributions studied in this course in different situations. 5. Distinguish between discrete variables and study of their distributions. 6. Know some standard discrete probability distributions with real life situations. 7. Understand concept of bivariate distributions and computation of related probabilities
B.Sc.II CBCS	Sem.-III & IV	Paper V & VI	By the end of course the Students will be able to: 1. Understand concept of discrete and continuous distributions with real life situations. 2. Distinguish between discrete and continuous distribution. 3. Find various measures of r.v. and probabilities using its probability distributions.

			<p>4. Know the relations among the different distributions.</p> <p>5. Understand the concept of Transformation of Univariate and Bivariate continuous r. v.</p> <p>6. Understand the concept of Multiple Linear Regression, Multiple correlation and partial correlation.</p> <p>7. Know the concept of sampling theory.</p> <p>8. Understand the need of Vital Statistics and concept of mortality and fertility.</p>
		<p>Paper VII & VIII</p>	<p>By the end of course the Students will be able to:</p> <p>1. Know some standard continuous probability distributions with real life situations.</p> <p>2. Distinguish between various continuous distributions.</p> <p>3. Find the various measures of continuous r. v. and probabilities using its probability distributions.</p> <p>4. Understand the relation among the different distributions.</p> <p>5. Understand the Chi-square, t and F distributions with their applications and inter relations.</p> <p>6. Know the concept and use of time series,</p> <p>7. Understand the meaning, purpose and use of Statistical Quality Control, construction and working of control charts for variables and attributes.</p> <p>8. Apply the small sample test and large sample test in various situations.</p>