Programme Name: B. Sc. (Course: Statistics): - 2023 – 24.

Programme Outcomes: After completion of the Programme, the students will be able to:		
PO 1 Understand ho	w to use statistical knowledge for analysis.	
PO 2 Understand th	Understand the concept of probability and the statistical distributions and applications in various	
fields.		
PO 3 Understand th	Understand the principles, concepts and recent developments in the Statistics.	
PO 4 Understand ho	Understand how to design of experiment and survey sampling are used in real life.	
PO 5 Learn the various concepts in Statistics.		
Programme Specific Outcomes: After completion of the Programme, the students will be able to:		
PSO 1 Be a Business analyst, Research Officer, Data Analyst or Data Investigator.		
PSO 2 Work in gover	PSO 2 Work in government sector and do research on Consumer prices, Population trend, Economy etc.	
PSO 3 Do research w	3 Do research work in various fields.	
Course Outcomes: Af	er completion of the course, the student will be able to:	
B.Sc. Part-I Sem.:	I CO.1 Analyze data and types of data, various data presenting methods and	
Paper-I	population, sample and various methods of sampling.	
(DESCRIPTIVE	CO.2 Compute various measures of central tendencies, dispersion, moments,	
STATISTICS I)	skewness, kurtosis and to interpret them.	
B.Sc. Part -I Sem.	\mathcal{E}	
Paper-II	CO.2 Find the probabilities of various events.	
(ELEMENTARY	CO.3 Understand concept of conditional probability and independence of	
PROBABILITY	events.	
THEORY)	CO.4 Understand the concept of univariate random variable and its	
	probability distribution.	
	CO.5 Understand the concept of mathematical expectation of univariate	
	random variable.	
B.Sc. Part-I Sem.:	1	
Paper-III	CO.2 Compute regression coefficient, interpret its value and use in	
(DESCRIPTIVE	regression analysis.	
STATISTICS – II)	CO.3 Understand the concept of independence and association between two	
	attributes.	
	CO.4 Study the vital statistics and concepts related with mortality fertility	
D.Co. Dowt I. Com.	and growth rates.	
B.Sc. Part–I Sem.:		
Paper IV (DISCRETE	CO.2 Know some standard discrete probability distributions with real life situations.	
PROBABILITY	CO.3 understand concept of bivariate distributions and computation of	
DISTRIBUTIONS)	related probabilities and mathematical expectation of bivariate discrete	
DISTRIBUTIONS)	random variable.	
B.Sc. Part –II Sem.:		
Paper V	with real life situations.	
(Probability	CO.2Find the various measures of random variable and probabilities using	
Distributions-I)	its probability distribution.	

	CO.3 understand the concept of transformation of univariate and bivariate
	continuous random variable.
B.Sc. Part -II Sem.: III	CO.1 understand the concept of Multiple Linear Regression, Multiple
Paper-VI	Correlations and Partial Correlation.
(Statistical Methods-I)	CO.2 understand the need, construction and utility of various index numbers.
	CO.3 understand the concepts related to national and different methods of
	estimation of national income.
B.Sc. Part -II Sem.: IV	CO.1 Know some standard continuous probability distributions with real life
Paper-VII	situations.
(Probability	CO.2 Learn and understand the relations among the different distributions.
Distributions-II)	CO.3 understand the Chi-Square, t and F distributions with their applications
	and interrelations.
B.Sc. Part -II Sem.: IV	CO.1 Know the concept and uses of time series.
Paper VIII	CO.2 understand meaning, purpose and uses of SQC, construction of various
(Statistical Methods-II)	control charts for variables and attributes.
	CO.3 Apply small and large sample tests in various situations.