

C. U. SHAH UNIVERSITY WADHWANCITY



Faculty : Arts & Humanities
Department : Economics
Branch : B.A. Economics
Semester : V
Name of Subject : Basic Statistics
Subject Code : 4AH05BAS1

TEACHING & EVALUATION SCHEME:

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Evaluation Scheme								
		Th	Tu	P	Total	Theory					Practical (Marks)			Total
						Sessional Exam		University Exam		Total	Pr/Viva	T W	Total	
						Marks	Hrs	Marks	Hrs					
4AH05BAS1	Basic Statistics	3	0	0	3	30	1.5	70	3	100	-	-	-	100

Objectives:

Formulate theorems about the concept of probability. Calculate probabilities using Conditional probability, Rule of total probability and Bayes' theorem. explain the concept of a random variable and the probability distributions. Define the concept of a random variable.

● Course Outline:-

Statistics majors should be able to: Distinguish types of studies and their limitations and strengths, ... Communicate concepts in probability and statistics using both technical and non-technical language. learning appalled statistics

Unit No.	Content	Maximum Hours
0	Prerequisites	02
1	Concept of a statistical population sample sem a population simple statistical , population parameter ,discrete and continuous data , frequency distribution graphical representation of a frequency distribution by histogram and frequency polygen	12

2	Cumulative frequency , measure of location (Central tendency , Deviation mean deviation , standard deviation variance , standard deviation .	10
3	Correction and regression, Karl pearson coefficient of correlation, dispersion moments, measure of skewness and kurtosis .	08
4	Sample space , events , algebra of event , definition of probability Classical relative frequency and axiomatic approaches probability, multiplication law of probability, conditional probability, independent event, bayes's theorem.	13
Total Hours		45

Reference:

- (1) S.C.Gupta & V.K.kapoor :Fundamental of applied statistics Sultan Chand & Sons New Delhi(2007)
- (2) Sancheti & Kapoor: Business Mathematics”Sultan chand & Sons,New delhi.
- (3) Kapoor V.K.: Business Mathematics”Sultan chand & Sons,New delhi.
- (4) Parimal Mukhopadhyay:Mathematical Statistics” Books & allied (p) Ltd.(2000).