Veer Narmad South Gujarat University
First Year B.Com.
Semester - 2
Course Code - CE 220 A
Statistics for Business Paper - II
(Syllabus effective from Academic Year 2011-12 and onward)

Sr. No.	Course Inputs (As per UGC Model Curriculum)	Weightage
Unit 1	**Integration :** Concept of definite and indefinite integration of a function and integration of standard from x^n, a^x, e^x, logx.	20 %
Unit 2	**PROBABILITY DISTRIBUTIONS:** Concept of discrete probability distribution, Binomial distribution, its properties and uses Recurrent relation and application, Poisson distribution, its properties, uses mean and variance and it's application. Hypergeometric distribution with applications.	25 %
Unit 3	**PROBABILITY DISTRIBUTIONS:** Concept of continuous probability distribution, Normal distribution, its application	25 %
Unit 4	**STATISTICAL QUALITY CONTROL:** (a) Control Charts Importance of statistical methods on indual research and practice. Concept of statistical quality control (S.Q.C.) for attributes and advantages. General theory control charts. Specification limits tolerance limits modified control limits and their inter relationship. Control charts for attributes : p, np and c charts.	30 %

Books:

Pavate D.C. Bhagwat	: The Element Calculus : Popular Prakshan, Bombay
Gupta S.P.	: Statistical Method : S.chand & Co., New Delhi.
Rohtgi V.K.	: An introduction to probability theory and mathematical statistics : Wiley Estem Ltd.
Sancheti D.C. Kapoor V.K	: Statistics : Sultan chand & sons, New Delhi.
Grant E.L.	: Statistical Quality Control : Me Graw Hill Books Co.