

## MS-8 : QUANTITATIVE ANALYSIS FOR MANAGERIAL APPLICATIONS

BLOCK	UNIT NOs.	UNIT TITLE	AUDIOTAPE	VIDEOTAPE
<b>I</b>	<b>BASIC MATHEMATICS FOR MANAGERS</b>			
	1	Quantitative Decision Making – An Overview		
	2	Function and Progressions		
	3	Basic Calculus and Applications		
	4	Matrix Algebra and Applications		
<b>II</b>	<b>DATA COLLECTION AND ANALYSIS</b>			
	5	Collection of Data		
	6	Presentation of Data		
	7	Measures of Central Tendency		
	8	Measures of Variation and Skewness		
<b>III</b>	<b>PROBABILITY AND PROBABILITY DISTRIBUTIONS</b>			
	9	Basic Concepts of Probability		Probability Fundamentals
	10	Discrete Probability Distribution		
	11	Continuous Probability Distributions		
	12	Decision Theory		Probability Applications
<b>IV</b>	<b>SAMPLING AND SAMPLING DISTRIBUTIONS</b>			
	13	Sampling Methods		
	14	Sampling Distributions		
	15	Testing of Hypotheses		
	16	Chi Square Tests		
<b>V</b>	<b>FORECASTING METHODS</b>			
	17	Business Forecasting		
	18	Correlation		Applications of Regression
	19	Regression		
	20	Time Series Analysis		