

S.G.M. College of Commerce and Management

Course Plan (Academic Year 2015-16) Statistics for Management-I (BBA-GEN SEM-III)

UNIT NO.	Topic	Sessions required
I	Introduction for statistics	12
	- Data Collections 1. Elements of data: Variables, Constants, Attributes 2. Types of data: Primary & Secondary data & their Sources 3. Importance of data	1
	-Data Presentation: 1. Simple series 2. Frequency Distribution	4
	-Measures at Central Tendency: ❖ Introduction, Definition and Calculation 1. Mean, Median, Mode, Quartiles, Deciles and Percentiles 2. Combined Mean	4
	-Measures of Dispersion ❖ Introduction, Definition and Calculation 1. Range, Quartile Deviation Mean Deviation, 2. Variance and Standard Deviation 3. Coefficient of Variation (C.V.), Combined S.D	4
II	Probability	12
	-Terminology : Random experiment, Sample Space, Events, Types of events	2
	❖ Definition: Classical & Axiomatic Approach	2
	❖ Additional & Multiplication theorems of Probability	5
	❖ Concept of random variable, Mathematical Expectations (Properties without proof)	3
III	Probability Distributions:	13
	❖ Meaning, Conditions, P. d. f., properties and uses - Binomial	4
	❖ Meaning, Conditions, P. d. f., properties and uses - Poisson	4
	❖ Meaning, Conditions, P. d. f., properties and uses - Normal	5
IV	Statistical Quality Control (SQC)	13
	Meaning, uses and principles of SQC	2
	Charts for variables (R & X-bar Charts)	5
	Charts for attribute (p, np & c Charts)	6
	Total:	50