

LESSON PLAN

Name of Faculty	:	Dr. Priyanka Duhan
Discipline	:	Bachelor of Computer Applications
Semester	:	BCA 4th SEM
Subject	:	Computer Oriented Numerical Methods
Lesson plan duration	:	13 Weeks (from Jan 2020 to Apr. 2020)
Work load (Lecture)	:	4 lectures per week

Week	Theory	
	Lecture day	Topic (Including assignment and test)
1 st	1	Basic Statistics: Preparing Frequency Distribution Table & Cumulative frequency
	2	Measure of Central Tendency, Types
	3	Arithmetic mean, Geometric Mean, Harmonic Mean
	4	Median
2 nd	5	Mode
	6	Combined Numericals of Mean Median & Mode
	7	Measure of Dispersion: Range
	8	Quartile Deviation, Mean deviation
3 rd	9	Coefficient of mean Deviation, Standard Deviation
	10	Moments About mean
	11	Moments about any point
	12	Moment about origin
4 th	13	Moment about mean in terms of moment about any point
	14	Moment about any point in terms of Moment about mean
	15	Discrete Random and Continuous Random variable
	16	Probability Distribution of a Random Variable
5 th	17	Mathematical Expectation : Binomial, Poisson, Normal Distribution
	18	Mathematical Expectation : Binomial, Poisson, Normal Distribution
	19	Mean and Variance of Binomial, Poisson, and Normal Distribution
	20	Sessional
6 th	21	Sessional
	22	Sessional
	23	Correlation: Introduction, Types, Properties
	24	Karl Pearson's Coefficient of Correlation
7 th	25	Rank Correlation and Concurrent Deviation method
	26	Probable error
	27	Regression: Introduction, Aim of Analysis, Types of Regression

8th	28	Lines of Regression, Properties of Coefficient & Regression Lines
	29	Comparison with Correlation
	30	Curve Fitting: Straight Line, Parabolic curve
	31	Geometric Curve and Exponential Curve
9th	32	Baye's Theorem in Decision Making
	33	Forecasting Techniques
	34	Sampling: Meaning, methods of Sampling
	35	Test of Hypothesis, Types of hypothesis
10th	36	Procedure of hypothesis Testing, Type I and Type II error
	37	One Tailed and two tailed Test
	38	Types of test of Significance
	39	Chi square Test
11th	40	Numericals
	41	ANOVA
	42	One way classification, ANOVA Table for One-Way Classified
	43	Sessional
12th	44	Sessional
	45	Sessional
	46	Sessional
	47	Revision
13th	48	Revision
	49	Revision
	50	Revision
	51	Revision