

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. RAJIV BHANDARI
CLASS/SECTION : BA/BSC-I
PAPER : I & II
SUBJECT : STATISTICS

PAPER-I		
UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	INTRODUCTION OF CORRELATION	PRACTICAL
DAY2 DATE 2-1-18	CONCEPT AND TYPES OF CORRELATION	PRACTICAL
DAY3 DATE 3-1-18	METHODS OF FINDING CORRELATION - SCATTER DIAGRAM	PRACTICAL
DAY4 DATE 4-1-18	CONTINUED	PRACTICAL
DAY5 DATE 5-1-18	KARL PEARSON'S COEFFICIENT OF CORRELATION (R)	
DAY6 DATE 6-1-18	CONTINUED	
DAY7 DATE 8-1-18	PROPERTIES OF CORRELATION COEFFICIENT	PRACTICAL
DAY8 DATE 9-1-18	COEFFICIENT OF CORRELATION FOR A BIVARIATE FREQUENCY DISTRIBUTION.	PRACTICAL
DAY9 DATE 10-1-18	CONTINUED	PRACTICAL
DAY10 DATE 11-1-18	CONTINUED	PRACTICAL
DAY11 DATE 12-1-18	RANK CORRELATION WITH ITS DERIVATION	
DAY12 DATE 13-1-18	CONTINUED	
DAY13 DATE 15-1-18	CONTINUED	PRACTICAL
DAY 14 DATE 16-1-18	MERITS AND DEMERITS	PRACTICAL
DAY15 DATE 17-1-18	LIMITS OF RANK CORRELATION COEFFICIENT	PRACTICAL
DAY16 DATE 18-1-18	TIED OR REPEATED RANKS	PRACTICAL
DAY17 DATE 19-1-18	PROBLEMS OF CORRELATION COEFFICIENT	

DAY18 DATE 20-1-18	CONTINUED	
DAY19 DATE 22-1-18	HOLIDAY	
DAY20 DATE 23-1-18	SPORTS DAY	
DAY21 DATE 24-1-18	HOLIDAY	
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY22 DATE 25-1-18	INTRODUCTION OF CURVE FITTING	PRACTICAL
DAY23 DATE 26-1-18	HOLIDAY	
DAY 24 DATE 27-1-18	PRINCIPLE OF LEAST SQUARES	
DAY1 DATE 29-1-18	FITTING OF STRAIGHT LINE	PRACTICAL
DAY2 DATE 30-1-18	CONTINUED	PRACTICAL
DAY3 DATE 31-1-18	HOLIDAY	
DAY4 DATE 1-2-18	FITTING OF SECOND DEGREE PARABOLA	PRACTICAL
DAY5 DATE 2-2-18	FITTING OF POWER CURVES OF THE TYPE $Y=AX^B$	
DAY6 DATE 3-2-18	CONTINUED	
DAY7 DATE 5-2-18	FITTING OF EXPONENTIAL CURVES OF THE TYPES $Y=AB^X$	PRACTICAL
DAY8 DATE 6-2-18	FITTING OF EXPONENTIAL CURVES OF THE TYPES $Y=AE^{BX}$	PRACTICAL
DAY9 DATE 7-2-18	PROBLEMS OF CURVE FITTING	PRACTICAL
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY10 DATE 8-2-18	INTRODUCTION OF REGRESSION	PRACTICAL
DAY11 DATE 9-2-18	ASSIGNMENT 1	
DAY12 DATE 10-2-18	HOLIDAY	
DAY13 DATE 12-2-18	TWO LINES OF REGRESSION	PRACTICAL
DAY14 DATE 13-2-18	HOLIDAY	

DAY15 DATE 14-2-18	REGRESSION COEFFICIENTS	PRACTICAL
DAY16 DATE 15-2-18	PROPERTIES OF REGRESSION COEFFICIENTS	PRACTICAL
DAY17 DATE 16-2-18	ANGLE BETWEEN TWO REGRESSION LINES	
DAY18 DATE 17-2-18	STANDARD ERROR OF ESTIMATE OBTAINED FROM REGRESSION LINE	
DAY19 DATE 19-2-18	CORRELATION COEFFICIENT BETWEEN OBSERVED AND ESTIMATED VALUES	PRACTICAL
DAY20 DATE 20-2-18	DISTINCTION BETWEEN CORRELATION AND REGRESSION	PRACTICAL
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY21 DATE 21-2-18	PLANE OF REGRESSION	PRACTICAL
DAY22 DATE 22-2-18	PROPERTIES OF RESIDUALS	PRACTICAL
DAY23 DATE 23-2-18	VARIANCE OF THE RESIDUAL	
DAY1 DATE 24-2-18	MULTIPLE AND PARTIAL CORRELATION COEFFICIENTS	
DAY2 DATE 26-2-18	COEFFICIENT OF MULTIPLE CORRELATION AND ITS PROPERTIES	PRACTICAL
DAY3 DATE 27-2-18	CONTINUED	PRACTICAL
DAY4 DATE 28-2-18	HOLIDAY	
DAY5 DATE 1-3-18	HOLIDAY	
DAY6 DATE 2-3-18	HOLIDAY	
DAY7 DATE 3-3-18	HOLIDAY	
DAY8 DATE 5-3-18	COEFFICIENT OF PARTIAL CORRELATION AND ITS PROPERTIES	PRACTICAL
DAY9 DATE 6-3-18	MULTIPLE CORRELATION IN TERMS OF TOTAL AND PARTIAL CORRELATIONS COEFFICIENT OF DETERMINATION	PRACTICAL
PAPER-II		
UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY10 DATE 7-3-18	BERNOULLI DISTRIBUTION AND IT MOMENTS	PRACTICAL
DAY11 DATE 8-3-18	BINOMINAL DISTRIBUTION: MOMENTS	PRACTICAL

DAY12 DATE 9-3-18	RECURRENCE RELATION FOR THE MOMENTS	
DAY13	ASSIGNMENT 2	
DATE 10-3-18	MEAN DEVIATION ABOUT MEAN	PRACTICAL
DAY 14 DATE 12-3-18	MODE	PRACTICAL
DAY15 DATE 13-3-18	MOMENT GENERATING FUNCTION (M.G.F), ADDITIVE PROPERTY	PRACTICAL
DAY16 DATE 14-3-18	RECURRENCE RELATION FOR THE PROBABILITIES OF BINOMINAL DISTRIBUTION	
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY17 DATE 15-3-18	POISSON DISTRIBUTION AS A LIMITING CASE OF BINOMIAL DISTRIBUTION	PRACTICAL
DAY18 DATE 16-3-18	MOMENTS	
DAY19 DATE 17-3-18	MODE	
DAY20 DATE 19-3-18	RECURRENCE RELATION FOR MOMENTS	PRACTICAL
DAY21 DATE 20-3-18	M.G.F.	PRACTICAL
DAY22 DATE 21-3-18	CONDITIONAL TEST	PRACTICAL
DAY23 DATE 22-3-18	CONDITIONAL TEST	PRACTICAL
DAY 24 DATE 23-3-18	HOLIDAY	
DAY 25 DATE 24-3-18	ADDITIVE PROPERTY OF INDEPENDENT POISSON VARIATES	
DAY1 DATE 26-3-18	NEGATIVE BINOMINAL DISTRIBUTION	PRACTICAL
DAY2 DATE 27-3-18	M.G.F.	PRACTICAL
DAY3 DATE 28-3-18	DEDUCTION OF MOMENTS OF NEGATIVE BINOMINAL DISTRIBUTION FROM THOSE OF BINOMINAL DISTRIBUTION	PRACTICAL
DAY4 DATE 29-3-18	HOLIDAY	PRACTICAL
DAY5 DATE 30-3-18	GEOMETRIC DISTRIBUTION:	

DAY6 DATE 31-3-18	MOMENTS AND M.G.F.	
DAY7	CONTINUED	
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DATE 2-4-18	CONTINUOUS UNIFORM DISTRIBUTION	PRACTICAL
DAY8 DATE 3-4-18	MOMENTS	PRACTICAL
DAY9 DATE 4-4-18	M.G.F.	PRACTICAL
DAY10 DATE 5-4-18	MEAN DEVIATION	PRACTICAL
DAY11 DATE 6-4-18	GAMMA DISTRIBUTION	
DAY12 DATE 7-4-18	M.G.F.	
DAY13 DATE 9-4-18	ADDITIVE PROPERTY	PRACTICAL
DAY14 DATE 10-4-18	EXPONENTIAL DISTRIBUTION, M.G.F.	PRACTICAL
DAY15 DATE 11-4-18	MOMENTS AND LACK OF MEMORY	PRACTICAL
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY16 DATE 12-4-18	NORMAL DISTRIBUTION AS A LIMITING FORM OF BINOMIAL DISTRIBUTION	PRACTICAL
DAY17 DATE 13-4-18	CHIEF CHARACTERISTICS OF NORMAL DISTRIBUTION	
DAY18 DATE 14-4-18	HOLIDAY	
DAY19 DATE 16-4-18	MODE, MEDIAN, M.G.F.	PRACTICAL
DAY20 DATE 17-4-18	MOMENTS OF NORMAL DISTRIBUTION AND MEAN DEVIATION ABOUT MEAN	PRACTICAL
DAY21 DATE 18-4-18	HOLIDAY	
DAY22 DATE 19-4-18	LINEAR COMBINATION OF INDEPENDENT NORMAL VARIATES, POINTS OF INFLEXION	PRACTICAL
DAY23 DATE 20-4-18	AREA PROPERTY OF NORMAL DISTRIBUTION, IMPORTANCE AND FITTING OF NORMAL DISTRIBUTION	

NAME OF ASSISTANT /ASSOCIATE PROFESSOR : DR. RAJIV BHANDARI
CLASS/SECTION : BA/BSC-III
PAPER : I
SUBJECT :STATISTICS

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY4 DATE 4-1-18	MEANING AND USES OF SQC	
DAY5 DATE 5-1-18	CAUSES OF VARIATIONS IN QUALITY	PRACTICAL
DAY6 DATE 6-1-18	PRODUCT AND PROCESS CONTROL	PRACTICAL
DAY10 DATE 11-1-18	3-SIGMA CONTROL LIMITS	
DAY11 DATE 12-1-18	CONTROL CHART FOR VARIABLES- X AND R CHART	PRACTICAL
DAY12 DATE 13-1-18	CRITERIA FOR DETECTION OF LACK OF CONTROL IN X & R CHARTS	PRACTICAL
DAY16 DATE 18-1-18	INTERPRETATION OF X & R CHARTS.	
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY17 DATE 19-1-18	CONTROL CHART FOR STANDARD DEVIATION (SIGMA CHART)	PRACTICAL
DAY18 DATE 20-1-18	CONTROL CHARTS FOR ATTRIBUTES: 'P' CHART	PRACTICAL
DAY19 DATE 22-1-18	HOLIDAY	
DAY20 DATE 23-1-18	SPORTS DAY	
DAY21 DATE 24-1-18	HOLIDAY	
DAY22 DATE 25-1-18	CONTROL CHARTS FOR 'C' CHART,	
DAY23 DATE 26-1-18	HOLIDAY	
DAY 24 DATE 27-1-18	CONCEPT OF 6- SIGMA LIMITS	PRACTICAL
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY3 DATE 31-1-18	HOLIDAY	
DAY4	PROBLEM OF LOT ACCEPTANCE	

DATE 1-2-18		
DAY5 DATE 2-2-18	STIPULATION OF GOOD AND BAD LOTS	PRACTICAL
DAY6 DATE 3-2-18	PRODUCER'S AND CONSUMERS RISKS,	PRACTICAL
DAY10 DATE 8-2-18	SINGLE AND DOUBLE SAMPLING PLANS	
DAY11 DATE 9-2-18	ASSIGNMENT 1	PRACTICAL
DAY12 DATE 10-2-18	HOLIDAY	
DAY16 DATE 15-2-18	OC FUNCTIONS,	
DAY17 DATE 16-2-18	CONCEPTS OF AQL, LTPD, AOQL,	PRACTICAL
DAY18 DATE 17-2-18	CONCEPTS OF AVERAGE AMOUNT OF INSPECTION AND ASN FUNCTION	PRACTICAL
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY22 DATE 22-2-18	LAWS OF DEMAND AND SUPPLY	
DAY23 DATE 23-2-18	PRICE ELASTICITY OF DEMAND	
DAY1 DATE 24-2-18	DEMAND FUNCTION WITH CONSTANT PRICE ELASTICITY	
DAY5 DATE 1-3-18	HOLIDAY	
DAY6 DATE 2-3-18	HOLIDAY	
DAY7 DATE 3-3-18	HOLIDAY	
DAY11 DATE 8-3-18	PARTIAL AND CROSS ELASTICITIES OF DEMAND	
DAY12 DATE 9-3-18	TYPES OF DATA REQUIRED FOR ESTIMATING ELASTICITIES	PRACTICAL
DAY13	ASSIGNMENT 2	
DATE 10-3-18	FAMILY BUDGET DATA	PRACTICAL
DAY17 DATE 15-3-18	TIME SERIES DATA-LEONTIEF'S METHOD TO ESTIMATE DEMAND FUNCTIONS	
DAY18 DATE 16-3-18	PIGOU'S METHODS TO ESTIMATE DEMAND FUNCTIONS	PRACTICAL
DAY19 DATE 17-3-18	CONTINUED	PRACTICAL

DAY22 DATE 21-3-18	CONDIDIONAL TEST	
DAY23 DATE 22-3-18	CONDIDIONAL TEST	
DAY 24 DATE 23-3-18	HOLIDAY	
DAY 25 DATE 24-3-18	ENGEL'S LAW OF INCOME AND EXPENDITURE	PRACTICAL
DAY4 DATE 29-3-18	HOLIDAY	
DAY5 DATE 30-3-18	PARETO'S LAW OF INCOME DISTRIBUTION	PRACTICAL
DAY6 DATE 31-3-18	CONTINUED	PRACTICAL
DAY10 DATE 5-4-18	CURVES OF CONCENTRATION	
DAY11 DATE 6-4-18	CONTINUED	PRACTICAL
DAY12 DATE 7-4-18	LORENZ CURVE	PRACTICAL
DAY16 DATE 12-4-18	CONTINUED	
DAY17 DATE 13-4-18	GINI'S COEFFICIENT	PRACTICAL
DAY18 DATE 14-4-18	HOLIDAY	
DAY22 DATE 19-4-18	PROBLEMS OF DEMAND AND SUPPLY	
DAY23 DATE 20-4-18	PROBLEMS OF PRICE ELASTICITY OF DEMAND	PRACTICAL

DR. RAJIV BHANDARI
NAME OF TEACHER