Advanced Institute of Technology & Management, Palwal

Subject Details and Lecture Plan
(Teacher's copy)

Subject Title: BUSINESS STATISTICS AND ANALYTIC	Subject Code: MBA-111-V	
Total Contact Hours: L + T + P = 42 + 0 + 0	Duration of Exam: 03 Hrs	
Total Internal Assessment Marks: 25	End Semester Exam. Marks: 75	Total Marks = 100
Date: 21/7/2014		
Date:		

Pre-requisites: Basics ,multivariable calculus(differentiation)

Outcomes: The Student will learn

1. How apply applications of quantitive techniques in business decision making.
2. Examine normality and apply its concepts in different sampling techniques.
3. Analysis data using starical techniques.

Materials and Resources Required:

Reference Books:

1. Levin and Rubin statistics for business, printing hall of india ,new delhi.
2. Naval Bajpai. business statistics ,pearsons education ,india.

STUDENT ASSESSMENT:

There will be two tests of 90 minutes duration of 24 marks each. The average of best two will be considered as Final Internal Assessment marks. There will not be any further test. However, the concerned faculty member's decision is final as regards assignment of Internal Assessment is concerned.

Assessment Plan:

Mid Term Exams

Mid-term Exams	Examination Date
1st Mid-term Exams	24-9-2025 to 26-9-2025
2nd Mid-term Exams	17-11-2025to 19-11-2025

FINAL EXAMINATION:
There will be one final examination of 3 hours duration at the end of the semester conducted by YMCA containing questions from the whole syllabus.

Scheme of End Semester Examination: 75

Date: Faculty Member (Anita Sharma) HOD (Signature & Name)

Lecture Plan

N.B. TWO AUDIO-VISUAL PRESENTATIONS PER WEEK.

Lecture No.	Unit / Chapter No.	Topic	Scheduled Date	Actual Date	Remarks & sign. of HOD	Teaching Aids
1.	Unit-I central tendency	Basic of central tendency	14/7/2025			
2.		Arithmetic mean with theory	15/7/2025			
3.		Median with examples	16/7/2025			
4.		Mode for ungrouped and grouped data	17/7/2025			
5.		Revision for mean, median, mode	18/7/2025			

6		Range, quartile range and deviation	21/7/2025			
7.		Mean deviation about mean and median	22/7/2025			
8		Standard deviation theory with formula	23/7/2025			
9		Questions of standard deviation	28/7/2025			
10		Karl pearson's coefficient of correlation	29/7/2025			PPT
11		Spearman's Rank correlation	30/7/2025			
12		revision	30/7/2025			
13	UNIT-2, Regression	Basic of regression	31/7/2025			
14		Least square method	1/8/2025			
15		Find regression lines by using regression coefficients	4/8/2025			
16		Relation between correlation and regression	5/8/2025			
17		Theory questions of correlation and regression	6/8/2025			
18		Basic of time series analysis	7/8/2025			
19		Components of time series	8/8/2025			
20		Fit the trend values	11/8/2025			
21		Fit the straight line by using least square method	12/8/2025			
22		revision	13/8/2025			PPT
23	UNIT - 3,probability	Basic of probbility	14/8/2025			
24		Questions of conditional probability	18/8/2025			

25		Baye's theorem	19/8/2025			
26		Binomial distribution	20/8/2025			
27		Practice of Binomial distribution	21/8/2025			
28		Normal distribution	22/8/2025			
29		Properties of normal distribution	25/8/2025			
30		Numerical of normal distribution	26/8/2025			
31		Relation between Binomial and normal distribution	27/8/2025			
32		Revision of unit two	28/8/2025			
33	UNIT-4, hypothesis	Basic theory of hypothesis	29/8/2025			
34		Formulas of large sample space	1/9/2025			PPT
35		Questions of large sample space	2/9/2025			
36	UNIT-5, higher order differentiationa l equation	Practice of large sample space	3/9/2025			
37		Theory of small sample	4/9/2025			
38		t-distribution of small sample	5/9/2025			
39		Practice of t-distribution of small sample	8/9/2025			PPT
40		Chi-square test of small sample	9/9/2025			
41		Questions of Chi-square test of small sample	10/9/2025			
42		Revision	11/9/2025			
43		Analysis of variance	12/9/2025			PPT

Syllabus Coverage Report

Syllabus Coverage Report

Syllabus coverage before MST-1 Satisfactory/ Lagging by ____ lectures.

Syllabus coverage before MST-2

Syllabus coverage befo re MST-3

HoD Remarks

General Comments of the Class Teacher about the suitability of Lecture Plan

Signature of Teacher & Date

Signature of HOD & Date