

Saraswati Mahila Mahavidyalaya, Palwal

Lesson Plan :

Name of the Assistant/Associate Professor: Ms Deepmale

Class and Section: B.Com (CA) II yr V sem

Name of subject: Business Statistics

Subject Lesson Plan : 18 weeks (from January 2018 to April 2018)

(Note: Prepare as per list of holidays declared by Haryana govt.)

WEEK 1
ASSIGNMENT:
WEEK 1, DAY 1, DATE : 01/01/2018 (MONDAY)
Index Number : Definition * Uses of Index Numbers * Limitation of Index Numbers
WEEK 1, DAY 2, DATE : 02/01/2018 (TUESDAY)
* Types of Index Number * Problems of the Construction of Index Numbers
WEEK 1, DAY 3, DATE : 03/01/2018 (WEDNESDAY)
* Methods of Constructing Index Number * Simple aggregative method * Simple average of Price Relative Method
WEEK 1, DAY 4, DATE : 04/01/2018 (THURSDAY)
* weighted Aggregative Method * weighted Average of Price Relative Method
WEEK 1, DAY 5, DATE : 05/01/2018 (FRIDAY)
Holiday on account of Guru Govind Singh's Birthday
WEEK 1, DAY 6, DATE : 06/01/2018 (SATURDAY)

Quantity Index Number

* Simple Quantity Index Number.

WEEK 2

ASSIGNMENT:

WEEK 2, DAY 1, DATE : 08/01/2018 (MONDAY)

* weighted Aggregative Method

* weighted Average of Related Method

WEEK 2, DAY 2, DATE : 09/01/2018 (TUESDAY)

* Tests of adequacy of Index Number formulae

① Time Reversal Test - TRT

WEEK 2, DAY 3, DATE : 10/01/2018 (WEDNESDAY)

* Factor Reversal Test - FRT

* Circular Test

WEEK 2, DAY 4, DATE : 11/01/2018 (THURSDAY)

will take problems of Numericals

WEEK 2, DAY 5, DATE : 12/01/2018 (FRIDAY)

Index Number II

* chain Base Index Number

WEEK 2, DAY 6, DATE : 13/01/2018 (SATURDAY)

Base Conversion

WEEK 3

ASSIGNMENT:

WEEK 3, DAY 1, DATE :15/01/2018(MONDAY)

Test - I Index Number - I

WEEK 3, DAY 2, DATE :16/01/2018(TUESDAY)

fixed Base Index Number

WEEK 3, DAY 3, DATE :17/01/2018(WEDNESDAY)

* Conversion of CBI → FBI

WEEK 3, DAY 4, DATE :18/01/2018(THURSDAY)

* Conversion of FBI → CBI

WEEK 3, DAY 5, DATE :19/01/2018(FRIDAY)

* Base shifting

WEEK 3, DAY 6, DATE :20/01/2018(SATURDAY)

splicing

WEEK 4

ASSIGNMENT:

WEEK 3, DAY 1, DATE :22/01/2018(MONDAY)

Holiday on account of Basant Panchmi.

WEEK 4, DAY 2, DATE :23/01/2018(TUESDAY)

Deflating of Index Number

WEEK 4, DAY 3, DATE :24/01/2018(WEDNESDAY)

Holiday on account of Sir Chotu Ram Jayanti.

WEEK 4, DAY 4, DATE :25/01/2018(THURSDAY)

Purchasing Power of Money

WEEK 4, DAY 5, DATE :26/01/2018(FRIDAY)

Holiday on account of Republic Day.

WEEK 4, DAY 6, DATE :27/01/2018(SATURDAY)

Cost of Living Index Number

WEEK 5

ASSIGNMENT:

WEEK 5, DAY 1, DATE :29/01/2018(MONDAY)

will take the Problems of Index
Number II

WEEK 5, DAY 2, DATE :30/01/2018(TUESDAY)

Time series Analysis-I
* meaning & definition
* utility

WEEK 5, DAY 3, DATE :31/01/2018(WEDNESDAY)

Holiday on account of Guru Ravi Dass Jayanti

WEEK 5, DAY 4, DATE :01/02/2018(THURSDAY)

* Components of Time Series Analysis

Analysis of Decomposition of Time Series

WEEK 5, DAY 5, DATE :02/02/2018(FRIDAY)

- * Freehand Curve Method
- * Moving Average Method

WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)

- * Semi Average Method
- * Least Square Method

WEEK 6

ASSIGNMENT:

WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)

- * Short cut Method
 - when no of yrs are odd
 - when number of yrs are even

WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)

Convert Annual Trend equation to
Monthly / Quarterly Trend equation
(odd period)

WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)

Convert Annual Trend equation to monthly
Quarterly Trend equation
(even period)

WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)

Shifting the trend origin

WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)

Fitting of Second degree Parabolic
Trend or Quadratic Trend.

WEEK 6, DAY 6, DATE :10/02/2018(SATURDAY)

Holiday on account of Maharshi Dayanand Saraswati Jayanti.

WEEK 7

ASSIGNMENT: I (Index Number)

WEEK 7, DAY 1, DATE :12/02/2018(MONDAY)

Fitting of exponential Trend

WEEK 7, DAY 2, DATE :13/02/2018(TUESDAY)

Holiday on account of Maha Shivaratri.

WEEK 7, DAY 3, DATE :14/02/2018(WEDNESDAY)

will take Problems of Time Series
Analysis-I from student

WEEK 7, DAY 4, DATE :15/02/2018(THURSDAY)

Time Series Analysis II

- ★ Method of Seasonal variations
- ★ Introduction.

WEEK 7, DAY 5, DATE :16/02/2018(FRIDAY)

① Method of Simple Average.

WEEK 7, DAY 6, DATE :17/02/2018(SATURDAY)

Method of moving Average

WEEK 8

ASSIGNMENT:

WEEK 8, DAY 1, DATE : 19/02/2018 (MONDAY)

Test II - Time Series analysis - I

WEEK 8, DAY 2, DATE : 20/02/2018 (TUESDAY)

Ratio to Moving Average

WEEK 8, DAY 3, DATE : 21/02/2018 (WEDNESDAY)

Ratio to Moving Average

WEEK 8, DAY 4, DATE : 22/02/2018 (THURSDAY)

Ratio to Trend Method

WEEK 8, DAY 5, DATE : 23/02/2018 (FRIDAY)

Ratio to trend Method

WEEK 8, DAY 6, DATE : 24/02/2018 (SATURDAY)

Ratio to trend Method

WEEK 9

ASSIGNMENT:

WEEK 9, DAY 1, DATE : 26/02/2018 (MONDAY)

link relative Method

WEEK 9, DAY 2, DATE : 27/02/2018 (TUESDAY)

link Relative Method

WEEK 9, DAY 3, DATE : 28/02/2018 (WEDNESDAY)

VACATION -II

WEEK 9, DAY 4, DATE : 01/03/2018 (THURSDAY)

VACATION -II

WEEK 9, DAY 5, DATE : 02/03/2018 (FRIDAY)

VACATION -II

WEEK 9, DAY 6, DATE : 03/03/2018 (SATURDAY)

VACATION -II

WEEK 10

ASSIGNMENT:

WEEK 10, DAY 1, DATE : 05/03/2018 (MONDAY)

Test - Time Series Analysis I - II } unit
Index Number I - II } I & II
Internal Exam

WEEK 10, DAY 2, DATE :06/03/2018(TUESDAY)

Probability

- Introduction
- Some Basic Concept

WEEK 10, DAY 3, DATE :07/03/2018(WEDNESDAY)

* Definition of Probability

- 1) Classical
- 2) Empirical
- 3) Subject Approach

WEEK 10, DAY 4, DATE :08/03/2018(THURSDAY)

* Importance of Probability

* Use of Combination in theory of Probability

WEEK 10, DAY 5, DATE :09/03/2018(FRIDAY)

Addition theorem

WEEK 10, DAY 6, DATE :10/03/2018(SATURDAY)

Multiple theorem

WEEK 11

ASSIGNMENT:

WEEK 11, DAY 1, DATE :12/03/2018(MONDAY)

Bayes' theorem

WEEK 11, DAY 2, DATE :13/03/2018(TUESDAY)

Conditional Probability

WEEK 11, DAY 3, DATE : 14/03/2018 (WEDNESDAY)

Combine Use of Addition and multiple theorems

WEEK 11, DAY 4, DATE : 15/03/2018 (THURSDAY)

Use of Bernoulli's theorem

WEEK 11, DAY 5, DATE : 16/03/2018 (FRIDAY)

Mathematical Expectation

WEEK 11, DAY 6, DATE : 17/03/2018 (SATURDAY)

Baye's theorem

WEEK 12

ASSIGNMENT: II Probability

WEEK 12, DAY 1, DATE : 19/03/2018 (MONDAY)

Baye's theorem

WEEK 12, DAY 2, DATE : 20/03/2018 (TUESDAY)

Probability of happening of at least one event in case of n independent events

WEEK 12, DAY 3, DATE : 21/03/2018 (WEDNESDAY)

Miscellaneous Solved Examples
of Probability

WEEK 12, DAY 4, DATE : 22/03/2018 (THURSDAY)

Problem of Probability.

WEEK 12, DAY 5, DATE : 23/03/2018 (FRIDAY)

Holiday on account of Shahidi diwas.

WEEK 12, DAY 6, DATE : 24/03/2018 (SATURDAY)

will take
Problems of Probability

WEEK 13

ASSIGNMENT:

WEEK 13, DAY 1, DATE : 26/03/2018 (MONDAY)

Test of Probability.

WEEK 13, DAY 2, DATE : 27/03/2018 (TUESDAY)

Probability Distribution

① Binomial

WEEK 13, DAY 3, DATE : 28/03/2018 (WEDNESDAY)

→ observed frequency distribution

★ Uses

WEEK 13, DAY 4, DATE :29/03/2018(THURSDAY)

Holiday on account of Mahavir jayanti.

WEEK 13, DAY 5, DATE :30/03/2018(FRIDAY)

theoretical or probability
distribution.

★ Uses

WEEK 13, DAY 6, DATE :31/03/2018(SATURDAY)

★ Binomial Distribution

- 1) Definition
- 2) Assumption

WEEK 14

ASSIGNMENT:

WEEK 14, DAY 1, DATE :02/04/2018(MONDAY)

- ★ Properties of Binomial distribution
- ★ Application of Binomial distribution

WEEK 14, DAY 2, DATE :03/04/2018(TUESDAY)

(1) Application of Binomial Distribution
formule

WEEK 14, DAY 3, DATE :04/04/2018(WEDNESDAY)

* To find n, p & q from \bar{x} & σ

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

* Fitting of Binomial Distribution

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

II Poisson Distribution

* Definition

* Properties

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

* Role / uses / Examples / Importance of Poisson Distribution

WEEK 15

ASSIGNMENT:

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

Application of Poisson Distribution formula

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

Fitting of Poisson Distribution

WEEK 15, DAY 3, DATE : 11/04/2018 (WEDNESDAY)

will take Problems from
& students

WEEK 15, DAY 4, DATE : 12/04/2018 (THURSDAY)

Probability Distribution - Normal

- * Definition
- * Assumption

WEEK 15, DAY 5, DATE : 13/04/2018 (FRIDAY)

- * characteristics
- * Importance
- * Relationships of Binomial, Poisson & Normal

WEEK 15, DAY 6, DATE : 14/04/2018 (SATURDAY)

Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.

WEEK 16

ASSIGNMENT:

WEEK 16, DAY 1, DATE : 16/04/2018 (MONDAY)

- * A Comparative Study of Binomial, Poisson and Normal distribution

WEEK 16, DAY 2, DATE : 17/04/2018 (TUESDAY)

- * How to measure area under Normal curve
- * finding area when \bar{x} & σ of normal curve are given.

WEEK 16, DAY 3, DATE : 18/04/2018 (WEDNESDAY)

* To find n, p & q from \bar{x} & σ

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

* Fitting of Binomial Distribution

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

II Poisson Distribution
* Definition
* Properties

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

* Role / uses / Examples / Importance
of Poisson Distribution

WEEK 15

ASSIGNMENT:

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

Application of Poisson Distribution
formula

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

Fitting of Poisson Distribution

WEEK 15, DAY 3, DATE : 11/04/2018 (WEDNESDAY)

will take Problems from
8 students

WEEK 15, DAY 4, DATE : 12/04/2018 (THURSDAY)

Probability Distribution - Normal

- * Definition
- * Assumption

WEEK 15, DAY 5, DATE : 13/04/2018 (FRIDAY)

- * characteristics
- * Importance
- * Relationships of Binomial, Poisson & Normal

WEEK 15, DAY 6, DATE : 14/04/2018 (SATURDAY)

Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.

WEEK 16

ASSIGNMENT:

WEEK 16, DAY 1, DATE : 16/04/2018 (MONDAY)

- * A Comparative Study of Binomial, Poisson and Normal distribution

WEEK 16, DAY 2, DATE : 17/04/2018 (TUESDAY)

- * How to measure area under Normal curve
- * finding area when \bar{x} & σ of normal curve are given.

WEEK 16, DAY 3, DATE : 18/04/2018 (WEDNESDAY)

Holiday on account of Maharshi Pasuram Jayanti

WEEK 16, DAY 4, DATE : 19/04/2018 (THURSDAY)

finding mean and standard deviation
when the area is given

WEEK 16, DAY 5, DATE : 20/04/2018 (FRIDAY)

finding minimum and maximum score
among highest & lowest group

WEEK 16, DAY 6, DATE : 21/04/2018 (SATURDAY)

Fitting of Normal Curve

WEEK 17

ASSIGNMENT:

WEEK 17, DAY 1, DATE : 23/04/2018 (MONDAY)

will take
solving Problems of Normal
distribution

WEEK 17, DAY 2, DATE : 24/04/2018 (TUESDAY)

Test of Normal distribution

WEEK 17, DAY 3, DATE : 25/04/2018 (WEDNESDAY)

Revision

WEEK 17, DAY 4, DATE :26/04/2018(THURSDAY)

Revision of Probability.

WEEK 17, DAY 5, DATE :27/04/2018(FRIDAY)

will discuss Important Questions
& Revision.

WEEK 17, DAY 6, DATE :28/04/2018(SATURDAY)

discuss last year Question
papers & Revision.

WEEK 18

ASSIGNMENT:

WEEK 18, DAY 1, DATE :30/04/2018(MONDAY)

Revision.

Def 8/12/2017