

3rd Year (Statistics)

(Total Videos # 691)

Chapter # 01

Presentation of Data (41 Videos)

1.1 Exploring and Interpreting Data

1. Data
2. Exploring Data
3. Interpretation of Data
4. Introducing Parameters and Statistic
5. Basic Terminologies in Statistics
6. Accuracy of Measurements & Errors
7. Biasness Vs Unbiasness in Data
8. Types of Data(Continuous/Discrete)
9. Types of Data By Source

1.2 Frequency Distribution

10. Construction of Continuous Frequency Table
11. Problem on Construction of Continuous Frequency Table

1.3 Measurement Scales

12. scales
13. Ordinal Vs Nominal Data
14. Nominal Scale Vs Ordinal Scale
15. Interval Scale Vs Ratio Scale

1.4 Charts/Diagrams

16. Charts/Diagrams
17. Graphical Representation of Data-Horizontal/Vertical Bar Graph
18. Graphical Representation & Interpretation of Data-Multiple Bar Graph
19. Component Bar Chart
20. Percentage Component Bar Chart
21. Composite Bar Chart
22. Graphical Representation & Interpretation of Data- Pie Graph
23. Profit and Loss Chart
24. Pictograms

1.5 Graphs

25. Graphs
26. Interpretation of Data Through Graphs
27. Creating a Histogram
28. Problem on Constructing Histogram with Equal Intervals

- 29. Frequency Polygon
- 30. Cumulative Frequency Polygon
- 31. Graphical Representation & Interpretation of Data-Dot Graph
- 32. Representation and Interpretation of Data through Stem and Leaf
- 33. Graphical Representation & Interpretation of Data- Line Graph
- 34. Graph of Time Series
- 35. Difference Between Histogram and Histogram

1.6 Types of Frequency Curves

- 36. Frequency Curve
- 37. Common Shapes of Frequency Curves
- 38. Positively Skewed Frequency Curves
- 39. Negatively Skewed Frequency Curves
- 40. J-Shaped and Reverse J-Shaped Frequency Curves
- 41. Bimodal and Multi-modal Frequency Curves

Chapter # 02

Measures of Central tendency or Averages (49

Videos)

2.1 Measuring Averages

- 1. Average
- 2. Applications of Different Averages

2.2 Arithmetic Mean

- 3. Arithmetic Mean for Ungrouped Data
- 4. Problem on A.M of Ungrouped Data by Direct Method
- 5. Arithmetic Mean of Grouped Data by Direct Method
- 6. Problem on A.M for Grouped Data by Direct Method
- 7. Arithmetic Mean of Ungrouped Data using Short-cut Method
- 8. Problem on A.M for Ungrouped Data by Short formula Method
- 9. Arithmetic Mean of Grouped Data using Short-cut Method
- 10. Problem on A.M for Grouped Data by Short formula Method
- 11. Arithmetic Mean of Ungrouped Data using Coding Method
- 12. Problem on A.M for Ungrouped Data by Coding Method
- 13. A.M for Grouped Data by Coding Method
- 14. Problem on A.M for Grouped Data by Coding Method

2.3 Weighted/Combined Mean

- 15. Combined Arithmetic Mean
- 16. Applications of Weighted Averages
- 17. Introducing Weighted Average
- 18. Problem - Weighted Average for Ungrouped Data
- 19. Where to Use Arithmetic Mean

- 20. Properties of Arithmetic Mean
- 21. More on Properties of Arithmetic Mean

2.4 **Median and Quantiles**

- 22. Median for Ungrouped Data
- 23. Median of Grouped Data
- 24. Quartiles for Individual Observations
- 25. More on Quartiles for Individual Observations
- 26. How to Identify Outliers in Data Set
- 27. Problem-Quartiles for Individual Observations
- 28. Quartiles for a Frequency Distribution
- 29. Problem-Quartiles for a Frequency Distribution
- 30. Estimating Quartiles for Grouped Data using Graph
- 31. Quantiles from Discrete Data
- 32. More on Quantiles from Discrete Data
- 33. Quartiles From Grouped Data
- 34. More on Quartiles From Grouped Data
- 35. Deciles and Percentiles from Grouped Data
- 36. More on Deciles and Percentiles from Grouped Data
- 37. Problem - Deciles and Percentiles from Grouped Data
- 38. Problem - Deciles and Percentiles from Grouped Data
- 39. Graphic Location of Median and Partition Values

2.5 **Mode**

- 40. The Mode

2.6 **Geometric and Harmonic Means**

- 41. Geometric Mean of Ungrouped Data
- 42. Geometric Mean for Grouped Data
- 43. Harmonic Mean for Ungrouped Data
- 44. Harmonic Mean for Grouped Data
- 45. Where to Use Harmonic Mean
- 46. Where to Use Geometric Mean
- 47. Change in Origin and Scale
- 48. Empirical Relationship Between Mean, Median and Mode
- 49. Relationship Between Arithmetic, Geometric and Harmonic mean

Chapter # 03

Measures of Dispersion, Moments and Skew (78 Videos)

3.1 **Dispersion**

- 1. Applications of Dispersion
- 2. Dispersion

3.2 Measures of Dispersion

3. Range of Ungrouped Data
4. Problem on Calculation of Range for Raw or Ungrouped Data
5. Calculation of Range for Grouped Data
6. Problem 1: Calculation of Range for Grouped Data
7. Mean Deviation of Ungrouped Data
8. Problem-Mean Deviation for Ungrouped Data by Mean
9. Problem-Mean Deviation for Ungrouped Data by Median
10. Mean Deviation of Ungrouped Data from Mode
11. Problem-Mean Deviation for Ungrouped Data by Mode
12. Mean Deviation of Grouped Data from Mean
13. Problem-Mean Deviation for Grouped Data by Mean
14. Mean Deviation of Grouped Data from Median
15. Problem-Mean Deviation for Grouped Data by Median
16. Mean Deviation for Grouped Data by Mode
17. Problem-Mean Deviation for Grouped Data by Mode
18. Interquartile Range for Data Set Represented in Different Ways
19. More on Interquartile Range for Data Set Represented in Different Ways
20. Making and Interpretation of Box-Whisker Plot
21. More on Making and Interpretation of Box-Whisker Plot
22. Problem- Making and Interpretation of Box-Whisker Plot
23. More on Prob -Making and Interpretation of Box-Whisker Plot
24. Consistency Test for Data
25. Situations Where We Use Range or Semi-IQR
26. Situations Where We Use Mean or Standard Deviation
27. Variance and Standard Deviation
28. Problem on Introduction to Variance & S.D
29. Variance and Standard Deviation of Ungrouped Data
30. Calculation of Variance by Direct Method
31. Variance and Standard Deviation of Ungrouped Data by Short Method
32. Variance and Standard Deviation of Ungrouped Data by Short-cut Method
33. Variance and Standard Deviation of Grouped Data
34. Variance and Standard Deviation of Grouped Data by Short Method
35. Variance and Standard Deviation of Grouped Data by Short-cut Method
36. Variance and Standard Deviation of Grouped Data by Coding Method
37. Effect of Change of Origin and Scale on S.D
38. Properties of Variance and Standard Deviation
39. More on Properties of Variance and Standard Deviation
40. More on Properties of Variance and Standard Deviation

3.3 Coefficient of Dispersion

41. Absolute and Relative Dispersion
42. Concept of Quartile Deviation
43. Problem-Concept of Quartile Deviation
44. Coefficient of Dispersion and Its Measure
45. Range Coefficient of Dispersion and its measure
46. Problem-Range Coefficient of Dispersion and its measure

- 47. Coefficient of Variation and its Measure
- 48. More on Problem-Coefficient of Dispersion and Its Measure
- 49. Quartile Coefficient of Relative Dispersion and its Measure
- 50. Quartile Coefficient of Relative Dispersion and its Measure
- 51. Mean Coefficient of Dispersion
- 52. Standardized Variable or Z-score
- 53. Problem - Standardized Variable or Z-score
- 54. Characteristics of Measures of Quartile Deviation
- 3.4 Combined Variance**
 - 55. Introduction to Combined Mean and Variance
 - 56. Prob-Introduction to Combined Variance
- 3.5 Trimmed and Winsorized Measures**
 - 57. Trimmed and Winsorized Measures
- 3.6 Moments**
 - 58. Introducing Moments
 - 59. Introducing Moments
 - 60. More on Introducing Moments
 - 61. Problem-Introducing Moments
 - 62. More on Problem-Introducing Moments
 - 63. Problem-Moments for group data
 - 64. Problem-Moments for group data
 - 65. Prob-Relation Between Mean Moments and Raw Moments
 - 66. More on Prob-Relation Between Mean Moments and Raw Moments
 - 67. Sheppards Corrections for Grouping Error
 - 68. Problem-Sheppards Corrections for Grouping Error
- 3.7 Skewed vs Unskewed Curves**
 - 69. Introducing Skewness
 - 70. Skewed Vs Unskewed Curves
 - 71. More on Skewed Vs Unskewed Curves
 - 72. Measures of Skewness
 - 73. More on Measures of Skewness
 - 74. Problem-Measures of Skewness
- 3.8 Kurtosis**
 - 75. Kurtosis and Its Measurements
 - 76. More on Kurtosis and Its Measurements
 - 77. Problem-Measures of Kurtosis
 - 78. More on Problem-Measures of Kurtosis

Chapter # 04

Index Numbers (33 Videos)

4.1 Introduction to Index Numbers

1. Index Number
2. Applications of Index Numbers
3. Death Rates and Birth Rates

4.2 Construct Price Index Numbers

4. Calculating Index Number By Fixed Base Method
5. More on Calculating Index Number By Fixed Base Method
6. Calculating Index Number By Chain Base Method

4.3 Unweighted and Weighted Price Index Num

7. Calculation of Unweighted Index Number by Simple Aggregative Method
8. Problem-Unweighted Index Number by Simple Aggregative Method
9. Calculation of Unweighted Index Number by Simple Average Method
10. Problem-Unweighted Index Number by Simple Average Method
11. Calculation of Unweighted Index Number by Average of Relative Method
12. Weighted Aggregative Price Index Numbers By Laspeyres Method
13. Weighted Aggregative Price Index Numbers By Paasches Method
14. Weighted Aggregative Price Index Numbers By Marshall Edgeworth Method
15. Weighted Aggregative Price Index Numbers By Fishers Method
16. Weighted Aggregative Price Index Numbers By Walsh Method
17. Problem-Weighted Aggregative Price Index Numbers
18. More on Problem-Weighted Aggregative Price Index Numbers
19. Weighted Average of Relatives Price Index Numbers

4.4 Quantity Index Numbers

20. Quantity Index Number
21. Problem - Simple Aggregative Quantity Index Number
22. Problem - Weighted Aggregative Quantity Index Number
23. Problem - Simple Average of Relatives Quantity Index Number
24. Problem - Weighted Average of Relatives Quantity Index Number

4.5 Value Index

25. Value Index Number

4.6 Theoretical Tests of Index Number

26. Tests of Index Number
27. More on Tests of Index Number
28. Problem - Time Reversal Test
29. Problem - Factor Reversal Test

4.7 Consumer Price Index Numbers

30. Consumer Price Index Numbers
31. Consumer Price Vs Wholesale Price Index Numbers
32. Problem- Consumer Price Vs Wholesale Price Index Numbers
33. Sensitive Price Index (SPI)

Chapter # 05

Probability (64 Videos)

5.1 Set Theory

1. Sets
2. Types of Set
3. Subsets
4. Basic Operations of Sets
5. Venn Diagram

5.2 Algebra of Sets

6. Commutative Law of Sets
7. Associative Laws
8. Idempotent Laws of Sets
9. Identity Laws of Sets
10. Complementation Law
11. Law of Double Complementation
12. Law of Empty Set and Universal Set
13. Distributive Laws

5.3 Counting Techniques

14. A Basic Counting Procedure
15. Introducing Factorials
16. Problem- Introducing Factorials
17. Introducing Permutations
18. Problem- Introducing Permutations (Distinct Objects)
19. Permutations When the Objects are Not Distinct
20. Introduction to Combinations
21. Problem1-Introducing Combinations

5.4 Basic Probability

22. Introducing Probability
23. Random Experiment
24. Sample Space
25. Basic Terminologies used in Probability
26. Types of Events
27. Probability for Multiple Event
28. Problem - Probability for Multiple Event
29. Mutually Vs Non-Mutually Exclusive Events
30. Problem - Mutually Vs Non-Mutually Exclusive Events
31. Equally Likely Vs Exhaustive Events
32. Conditional Probability
33. Properties of Probabilities

5.5 Addition Law for Probability

34. Addition Law of Probability
35. More on Applications of Addition of Probabilities
36. Addition Laws of Probability
37. Problem-Addition Laws of Probability

- 38. Addition of Probabilities of Overlapping Events by Venn Diagram
- 39. Problem-Addition of Probabilities of Overlapping Events by Venn Diagram
- 40. Addition of Probabilities of Disjoint Events by Venn Diagram
- 41. Addition of Probabilities of Subset Events

5.6 **Multiplication Law for Probability**

- 42. Multiplication Law of Probability
- 43. Application of Multiplication Laws of Probabilities
- 44. More on Application of Multiplication Laws of Probabilities
- 45. Multiplication of Probabilities of Dependent Events
- 46. Problem- Multiplication of Probabilities of Dependent Events
- 47. Multiplication of Probabilities of Independent Events
- 48. Problem-Multiplication of Probabilities of Independent Events
- 49. Intuition Behind Multiplication of Probabilities
- 50. Problem-Intuition Behind Multiplication of Probabilities
- 51. Problem - Probability of Repeated Independent Events

5.7 **Conditional Probability**

- 52. Conditional Probability
- 53. Application of Conditional Probability
- 54. Conditional Probability By Sample and Reduced Sample Space Approach
- 55. Prob-Conditional Probability By Sample and Reduced Sample Space Approach
- 56. Dependent Vs Independent Events
- 57. Independence of Two Events
- 58. Problem - Independence of Two Events
- 59. Independence of Several Events
- 60. Independence and Conditional Probability

5.8 **Bayes Theorem**

- 61. Bayes Theorem
- 62. Problem - Bayes Theorem
- 63. Bayes Theorem and the Law of Total Probability for Random Variables
- 64. Prior and Posterior Probabilities

Chapter # 06

Random Variables (79 Videos)

6.1 **Random Variables**

- 1. Random Variables
- 2. Discrete Vs Continuous Random Variable

6.2 **The Cumulative Distribution Function**

3. The Cumulative Distribution Function
4. Determining Probabilities From Distribution Function
5. Problem - The Cumulative Distribution Function
6. Cumulative Distribution and Probability Mass Function

6.3 Discrete Probability Distribution

7. Introducing Probability Distribution
8. Probability Mass Function
9. Probability Distribution of Discrete Random Variable
10. More on Probability Distribution of Discrete Random Variable
11. Problem - Probability Distribution of Discrete Random Variable
12. Cumulative Distribution and Probability Mass Function

6.4 Continuous Probability Distribution

13. The Probability Density Function
14. More on Probability Density Function
15. Problem - The Probability Density Function
16. The PDF of Continuous Distribution
17. More on The PDF of Continuous Distribution
18. Finding Area Under the Curve with Trapezoidal Rule
19. More on Finding Area Under the Curve with Trapezoidal Rule
20. Probability Density Function using Integration Method
21. Problem-Probability Density Function using Integration Method
22. More on Problem-Probability Density Function using Integration Method
23. Cumulative Distribution and Probability Density Function
24. Problem-Cumulative Distribution and Probability Density Function

6.5 Joint Distribution

25. Joint Probability Distribution of Two Random Variables
26. Discrete Joint Distributions
27. More on Discrete Joint Distributions
28. Problem - Discrete Joint Distributions
29. Continuous Joint Distribution of Two Random Variables
30. Problem-Continuous Joint Distribution of Two Random Variables
31. Marginal Probability
32. Marginal Probability Density Function of Two Continuous Random Variables
33. Independence of Joint Distribution of Two Discrete Variables
34. Independence of Joint Random Variables of Two Continuous Variables
35. Discrete Conditional Distributions
36. Problem - Discrete Conditional Distributions
37. More on Problem - Discrete Conditional Distributions
38. Continuous Conditional Distributions
39. Problem - Continuous Conditional Distributions

6.6 Mathematical Expectation

40. Expectation
41. Applications of Expectation
42. The Expected Value of Random Variable
43. Use of Expected Value in Decision Making

- 44. More on Use of Expected Value in Decision Making
- 45. How Probability Helps Expectations
- 46. The Expectation of a Discrete Distribution
- 47. Problem1-The Expectation of a Discrete Distribution
- 48. Problem2-The Expectation of a Discrete Distribution
- 49. More on Problem2-The Expectation of a Discrete Distribution
- 50. The Expectation of a Function
- 51. Laws of Expectation
- 52. More on Laws of Expectation
- 53. Addition and Subtraction Laws of Expectation
- 54. Multiplication Law of Expectation
- 55. Problem-Laws of Expectation

6.7 properties of Variances

- 56. Properties of Variance1
- 57. Properties of Variance2
- 58. Properties of Variance3
- 59. Properties of Variance4
- 60. Problem1 - Properties of Variance
- 61. Problem2 - Properties of Variance

6.8 Sum or Differences of Variances of Random Variables

- 62. Variance of the Sum or Difference of Two Random Variables1
- 63. Variance of the Sum or Difference of Two Random Variables2
- 64. Variance of the Sum or Difference of Two Random Variables3
- 65. Variance of the Sum or Difference of Two Random Variables4
- 66. Problem-Variance of the Sum or Difference of Two Random Variables

6.9 The Median and Mode of Random Variables

- 67. The Median and Mode of Discrete Distribution
- 68. The Median of Continuous Distribution
- 69. The Mode of Continuous Distribution

6.10 Chebyshev's Inequality

- 70. Chebyshev's Inequality

6.11 Covariance of Random Variables

- 71. Correlation
- 72. Covariance of Two Random Variables
- 73. Problem - Covariance of Two Random Variables

6.12 Conditional Expectation

- 74. Conditional Expectation
- 75. Utility Functions

6.13 Moment Generating Function

- 76. Moment Generating Function
- 77. Moment Generating Function-Formula Extension
- 78. Properties of the Moment Generating Function
- 79. Problem - Moment Generating Function

Chapter # 07

Discrete probability Distributions (72 Videos)

7.1 The Bernoulli and Binomial Distributions

1. The Bernoulli Distribution
2. Properties of Bernoulli Distribution
3. The Binomial Distribution
4. More on Binomial Distribution
5. Visualizing Binomial Distribution
6. Probability of Binomial Distribution - Example
7. Probability of Binomial Distribution - Example
8. Binomial Distribution for All Possible Value of Random Variable
9. More on Binomial Distribution for All Possible Value of Random Variab
10. Problem- Probability of Binomial Distribution
11. Mean of Binomial Distribution
12. Variance of Binomial Distribution
13. Problem-Mean and Variance of Binomial Distribution
14. Moments About Origin of Binomial Distribution
15. Second Moment About Origin of Binomial Distribution
16. Third Moment About Origin of Binomial Distribution
17. Fourth Moment About Origin of Binomial Distribution
18. Moment About Mean of Binomial Distribution
19. More on Moment About Mean of Binomial Distribution
20. Problem-Moments About Mean of Binomial Distribution
21. Moment Co-efficient of Skewness and Kurtosis
22. Problem-Moment Co-efficient of Skewness and Kurtosis of Binomial Dist
23. Binomial Frequency Distribution
24. Recurrence Formula of the Binomial Distribution
25. Problem-Recurrence Formula of the Binomial Distribution
26. More on Problem-Recurrence Formula of the Binomial Distribution
27. Fitting a Binomial Distribution to Observed Data
28. Moment Generating Function of the Binomial Distribution

7.2 The Hypergeometric Distribution

29. Introducing Hypergeometric Distribution
30. More on Hypergeometric Distribution
31. Mean of Hypergeometric Distribution
32. Problem-Mean of Hypergeometric Distribution
33. Variance of Hypergeometric Distribution
34. Problem-Variance of Hypergeometric Distribution
35. Hypergeometric Distribution in Case of Large N

7.3 The poisson Distribution

- 36. Introducing Poisson Distribution
- 37. Introducing Poisson Distribution
- 38. Poisson Probability Function
- 39. More on Poisson Probability Function
- 40. Problem- Probability of Poisson Distribution
- 41. Poisson Frequency Distribution
- 42. More on Poisson Frequency Distribution
- 43. Properties of Poisson Distribution
- 44. Variance of Poisson Distribution
- 45. Problem-Mean and Variance of Poisson Distribution
- 46. Moments About Origin of Poisson Distribution
- 47. Second Moment About Origin of Poisson Distribution
- 48. Third Moment About Origin of Poisson Distribution
- 49. Fourth Moment About Origin of Poisson Distribution
- 50. Moments About Mean of Poisson Distribution
- 51. More on Moments About Mean of Poisson Distribution
- 52. Moment Coefficient of Skewness and Kurtosis of Poisson Distribution
- 53. Fitting a Poisson Distribution to Observed Data
- 54. Poisson Process
- 55. Moment Generating Function of the Poisson Distribution
- 56. Problem-Recurrence Formula of Poisson Distribution
- 57. Moment Generating Function of the Poisson Distribution

7.4 The Negative Binomial Distribution

- 58. Negative Binomial Distribution
- 59. More on Negative Binomial Distribution
- 60. Properties of Negative Binomial Distribution
- 61. Problem-Mean and Variance of Negative Binomial Distribution

7.5 The Geometric Distribution

- 62. Introducing Geometric Distributions
- 63. Introducing Geometric Distribution
- 64. More on Introducing Geometric Distribution
- 65. Mean of Geometric Distribution
- 66. Variance of Geometric Distribution
- 67. Problem-Mean and Variance of Geometric Distribution
- 68. Moment Generating Function of Geometric Distribution
- 69. Mean using Moment Generating Function of Geometric Distribution

7.6 The Multinomial Distribution

- 70. The Multinomial Distribution
- 71. More on The Multinomial Distribution
- 72. Problem - The Multinomial Distribution

Chapter # 08

Continuous probability Distributions (47 Videos)

8.1 Uniform Distribution

1. An Introduction to the Continuous Uniform Distribution
2. Problem-An Introduction to the Continuous Uniform Distribution
3. Mean of Continuous Uniform Distribution
4. Variance of Continuous Uniform Distribution
5. Problem- Mean and Variance of Continuous Uniform Distribution
6. Moment Generating Function of Uniform Distribution

8.2 Exponential Distribution

7. Introducing Exponential Distributions
8. Dealing with Exponential Distributions
9. Cumulative Distribution Function of Exponential Distribution
10. Problem-Cumulative Distribution Function of Exponential Distribution
11. Problem - Dealing with Exponential Distributions
12. More on Problem - Dealing with Exponential Distributions
13. Mean of Exponential Distribution
14. Problem-Mean of Exponential Distribution
15. Variance of Exponential Distribution
16. Moment Generating Function of Exponential Distribution

8.3 Normal Distribution

17. Introducing Normal Distribution
18. Cumulative Distribution Function of Normal Distribution
19. Standard Normal Distribution
20. Proper Probability Density Function
21. Mean of Normal Distribution
22. Variance of Normal Distribution
23. Problem-Mean and Variance of Normal Distribution
24. Median of Normal Distribution
25. Mode of Normal Distribution
26. Empirical Rule for Normal Distribution
27. Problem-Empirical Rule for Normal Distribution
28. Sum of Two Independent Normal Variables
29. Point of Inflexion of Normal Distribution
30. Normal Curve
31. Mean Deviation of Normal Distribution
32. Distribution of Linear Transformation of Normal Random Variable
33. Quartile Deviation of a Normal Distribution
34. Moments about Mean of Normal Distribution
35. Moment Generating Function of Normal Distribution
36. Problem-Moment Generating Function of Normal Distribution
37. Characteristics of the Normal Probability Distribution
38. Areas under the Normal Curve
39. Tabulated Areas of Normal Distribution
40. More on Tabulated Areas of Normal Distribution

41. Tabulated Areas of Normal Distribution for Centre Case
42. Inverse Use of Table of Areas Under Normal Curve
43. More on Inverse Use of Table of Areas Under Normal Curve1
44. Problem- Inverse Use of Table of Areas Under Normal Curve
45. Normal Approximation to the Binomial Distribution
46. Fitting a Normal Distribution
47. Ordinates of the Normal Distribution

Chapter # 09

Method of Least Squares and Curve Fitting (07 Videos)

9.1 Approximating Line by MLS

1. Approximating Line by the Principle of Least Squares

9.2 Approximating Curves by MLS

2. Approximating Parabola by the Principle of Least Squares
3. Approximating Higher Degree Parabolic Curve
4. Fitting a Parabola by Using Change of Origin and Unit
5. Exponential Curves
6. Geometric Curves
7. Finding Plausible Values by Least Square Method

Chapter # 10

Simple Regression and Correlation (19 Videos)

10.1 Regression Analysis

1. Introduction to Regression
2. Deterministic and Probabilistic Relations or Models
3. Scatter Diagram
4. Approximating Line by the Principle of Least Squares
5. Approximating Parabola by the Principle of Least Squares
6. Standard Deviation of Regression or Standard Error of Estimate
7. Coefficient of Determination

10.2 Correlation

8. Correlation
9. Pearson Product Moment Correlation Coefficient
10. Problem1 - Correlation Coefficient of Random Variables
11. Problem2 - Correlation Coefficient of Random Variables

12. Problem-Correlation Coefficient for Sample Data
13. Affect of Change of Origin on Correlation Coefficient
14. More on Affect of Change of Origin on Correlation Coefficient
15. Affect of Change of Scale on Correlation Coefficient
16. Affect of Change of Scale and Origin on Correlation Coefficient

10.3 Rank Correlation

17. Rank Correlation
18. Rank Correlation for tied Ranks
19. Correlation Coefficient for Grouped Data

Chapter # 11

Multiple Regression and Correlation (08 Videos)

11.1 Multiple Regression

1. Introducing Multiple Regression
2. Problem-Introducing Multiple Regression
3. Multiple Regression in Deviation Form
4. Standard Error of Estimate
5. Coefficient of Multiple Determination and Multiple Correlation
6. Multiple Regression in terms of Linear Correlation Coefficients

11.2 partial Correlation

7. Partial Correlation
8. Relationship Between Multiple and Partial Correlation

Chapter # 12

Analysis of Time Series (26 Videos)

12.1 Time Series

1. Introducing Time Series
2. Applications of Time Series

12.2 Components of a Time Series

3. Secular Trend
4. Seasonal Variations
5. Cyclical Fluctuations
6. Irregular or random variations

12.3 Estimation of Secular Trend

7. Method of Free Hand Curve
8. Method of Semi-Averages

9. How to Calculate Moving Averages
10. Applications of Moving Averages
11. Problem - Application for Moving Averages
12. Estimating Secular Trend by Method of Least Squares
13. Estimating Secular Trend by Method of Least Squares
14. Detrending
15. Time Series Decomposition

12.4 Estimation of Seasonal Variations

16. The percentage of Annual Average Method
17. The Ratio to moving Average Method
18. The Ratio to Trend Method
19. More on The Ratio to Trend Method
20. Problem: The Ratio to Trend Method
21. More on Problem: The Ratio to Trend Method
22. The Link Relative Method
23. Deseasonalization of Data

12.5 Analysing the Cyclical and Irregular Va

24. Analysing the Cyclical Variations
25. Analysing the Irregular Variations

12.6 Forecasting

26. Forecasting

Chapter # 13

Sampling and Sampling Distribution (57 Videos)

13.1 Introducing Basic Concepts

1. Applications of Sampling
2. Central Limit Theorem
3. Population Vs Sample
4. Population and Its Kind
5. Sample and Sampling
6. Sampling Units and Frame
7. Sampling Versus Census
8. Sampling and Non-Sampling Errors
9. Precision and accuracy
10. Limitations of Sampling
11. Sampling Design and Its Types
12. A Representative Vs Biased Sample

13.2 probability and Non-probability Sampling

13. Probability and Non-probability Sampling
14. Simple Random Sampling

- 15. Random Digits
- 16. Systematic Sampling
- 17. Stratified Sampling
- 18. Allocation of Sample Sizes in Stratified Sampling
- 19. Cluster Sampling
- 20. Introducing Purposive and Quota Sampling

13.3 Errors in Sampling

- 21. True Value, Accuracy, Precision and Error
- 22. Prob-True Value, Accuracy, Precision and Error
- 23. Prob-Simple Random Sampling and Sampling Distribution

13.4 Sampling and Sampling Distribution

- 24. Sampling
- 25. Sampling Distribution
- 26. Sampling With Replacement and Without Replacement
- 27. Sampling Distribution and Standard Error of Statistic
- 28. Prob-Sampling Distribution and Standard Error of Statistic
- 29. Prob-Sampling Distribution From General Populations

13.5 Sampling Distribution of Sample Means

- 30. Sampling Distribution of Mean
- 31. More on Sampling Distribution of Mean
- 32. Graphical Representation of Sampling Distribution of Means
- 33. Standard Deviation of the Sampling Distribution With Replacement
- 34. More on Standard Deviation of the Sampling Distribution With Replacem
- 35. Problem- Standard Deviation of Sampling Distribution With Replacement
- 36. Standard Deviation of Sampling Distribution Without Replacement
- 37. More on Standard Deviation of Sampling Distribution Without Replaceme

13.6 Sampling Distribution of Difference of Means

- 38. Sampling Distribution of Difference of Means
- 39. Variance of Difference of Random Variables
- 40. More on Sampling Distribution of Difference of Means
- 41. More on Difference of Variance of Random Variables
- 42. Problem-Sampling Distribution of Difference of Means
- 43. More on Problem-Sampling Distribution of Difference of Means
- 44. Further to Problem-Sampling Distribution of Difference of Means
- 45. urther to Problem-Sampling Distribution of Difference of Means

13.7 Sampling Distribution of Sample proportions

- 46. Sampling Distribution of Proportions
- 47. Problem- Sampling Distribution of Proportions
- 48. More on Problem- Sampling Distribution of Proportions
- 49. More on Problem- Sampling Distribution of Proportions
- 50. Sampling Distribution of Difference between Proportions

13.8 Sampling Distribution of Variances

- 51. Sampling Distribution of Variances
- 52. More on Sampling Distribution of Variances

53. Further stuff on Sampling Distribution of Variances

13.9 The Central Limit Theorem

54. The Central Limit Theorem

55. Problem - The Central Limit Theorem

56. The Correction for Continuity

57. The Law of Large Numbers

Chapter # 14

Statistical Inference: Estimation (22 Videos)

14.1 Introducing Statistical Inference

1. Introducing Statistical Inference
2. Estimates and Estimators
3. Statistic and Estimator
4. Introducing Point Estimation
5. Prob-Introducing Point Estimation
6. Point Estimation
7. Interval Estimation

14.2 Maximum Likelihood Estimator

8. Maximum Likelihood Estimators
9. Problem - Method of Maximum Likelihood for Point Estimation

14.3 Method of Moments

10. Method of Moments for Point Estimation

14.4 Unbiased Estimator

11. Introducing Unbiased Estimator
12. Unbiased Estimation of the Variance

14.5 Confidence Interval

13. Introducing Confidence Interval
14. Confidence Interval for Means with Large Samples
15. Confidence Interval for μ when Sigma Square is Unknown
16. Confidence Interval for Differences between Means with Large Sample s
17. Confidence Interval for Proportions
18. Confidence Intervals for Difference Between Proportions
19. One sided Confidence interval
20. Sample size for estimating population mean
21. Sample size for estimating population proportion
22. Confidence Interval for Paired Observations

Chapter # 15

Statistical Inference:Hypothesis Testing (28 Videos)

15.1 Basic Concepts

1. Testing hypothesis
2. Formulation of Null and Alternative Hypothesis
3. Prob-Formulation of Null and Alternative Hypothesis
4. Simple and Composite Hypothesis
5. Test-Statistics
6. Acceptance and Rejection Regions
7. Type 1 and 2 Errors
8. The Power of a Test
9. The Significance Level
10. One Tailed and Two Tailed Test
11. General Procedure for Testing Hypothesis
12. The Relationship between Level of Significance and Sample Size
13. Left Tailed and Right Tailed Tests
14. Prob-Left Tailed and Right Tailed Tests
15. Deciding Upon an Appropriate Test
16. Level of Significance and Level of Confidence

15.2 Test of Hypothesis about population Mean

17. Testing Hypothesis about Mean of a Normal population when Sigma is kn
18. Testing Hypothesis about Mean of a Normal population when Sigma is Un

15.3 Test of Hypothesis About population pro

19. Test Based on Normal Approximation
20. Example- Test Based on Normal Approximation

15.4 Test of Hypothesis About the Difference

21. Test of Hypothesis About the Difference Between Two Population Propor
22. Prob-Test of Hypothesis About the Difference Between Two Population P
23. Testing That Difference Between Two Population Proportions Equals Som
24. Prob-Testing That Difference Between Two Population Proportions Equal

15.5 Testing Hypothesis about Standard Devia

25. Testing Hypothesis About Standard Deviation
26. Problem-Testing Hypothesis About Standard Deviation
27. Relationship Between Confidence Interval and Tests of Hypothesis
28. Tests Based on Binomial Distribution

Chapter # 16

The Student's t Distribution (10 Videos)

16.1 The t Distribution

1. The Students t Distribution
2. Problem - The Students t Distribution
3. Confidence Interval for Mean with Small Sample
4. Problem-Confidence Interval Estimates of Mean From Small Samples
5. Hypothesis Testing About the Mean with Unknown Variance
6. Confidence Interval for differences between Means for small samples w
7. Comparing the Mean of Two Normal Populations
8. Comparing the Means of Two Normal Distributions with unequal Unknown

16.2 paired t-test

9. Confidence Interval for Paired Observations
10. The Paired t Test

Chapter # 17

The Chi-Square Distribution (16 Videos)

17.1 The Chi-Square Distribution

1. Categorical data
2. Introducing Chi-Square Distribution
3. Prob-Confidence Interval- Estimate of Variance of Normal Population
4. More on Prob-Confidence Interval- Estimate of Variance of Normal Popu
5. Confidence Interval Estimate of Variance From Several Sample Variances
6. Testing Hypothesis About Variance of Normal Population
7. Bartlett's Test
8. Testing Hypothesis About Ps of Multinomial Distribution

17.2 Goodness of Fit Test

9. Pearson's Chi Square Test of Goodness of Fit

17.3 Contingency Tables

10. Contingency Tables
11. Testing Hypothesis of Independence between Attributes
12. Yates Correction for Continuity
13. More on Yates Correction for Continuity

17.4 Tests of Homogeneity

14. What is Homogeneity
15. Testing Hypothesis About Equality of Several Proportions
16. The Chi-Square Test as a Test of Homogeneity

Chapter # 18

The F Distribution (03 Videos)

18.1 The F Distribution

1. Introducing F Distribution
2. Confidence Interval for the Variance Ratio
3. Testing Hypothesis about Equality of Two Variances

Chapter # 19

Analysis of Variance(ANOVA) (09 Videos)

19.1 Analysis of Variance

1. Introducing Analysis of Variance

19.2 One Way ANOVA

2. One Way Analysis of Variance
3. More on One Way Analysis of Variance

19.3 Two Way ANOVA

4. Two Way Analysis of Variance Without Interaction
5. More on Two Way Analysis of Variance Without Interaction
6. Two Way Analysis of Variance With Interaction
7. More on Two Way Analysis of Variance With Interaction

19.4 Multiple Comparison Tests

8. The Least Significant Difference Test
9. Duncans Multiple Range Test

Chapter # 20

Experimental Designs (09 Videos)

20.1 Experimental Designs

1. Introduction to Experimental Design
2. Basic Principles of Experimental Designs

20.2 Completely Randomized Design

3. The Completely Randomized Design
4. Problem: The Completely Randomized Design

20.3 The randomized Complete Block Design

5. The Randomized Complete Block Design
6. Problem: The Randomized Complete Block Design
7. Efficiency of RCB Design Relative to CR Design

20.4 The Latin Square Design

8. The Latin Square Design
9. Problem: The Latin Square Design

Chapter # 21

Statistical Inference in Regression and (14 Videos)

21.1 Confidence interval in Regression

1. Confidence Interval Estimate of Population Regression Coefficient
2. Confidence Interval Estimate of Alpha, the Intercept of Regression Line
3. Confidence Interval Estimate of Mean Value for a Given Value of x
4. Prediction Interval of an Individual y Value for a Given Value of x

21.2 Hypothesis Testing in the Regression

5. Testing Hypothesis about Beta, the Population Regression Coefficient
6. Testing Hypothesis About Alpha, the Intercept of Population Regression
7. Testing Hypothesis About Equality of Regression Coefficient of Two Regression Lines
8. Testing Hypothesis About the Linearity of Regression

21.3 Hypothesis Testing in Correlation

9. Hypothesis Testing About Correlation Coefficient
10. More on Hypothesis Testing About Correlation Coefficient
11. Testing Hypothesis About the Equality of Two Correlations
12. Testing Hypothesis About the Equality of Several Correlations
13. Testing Hypothesis About Partial Correlation
14. Testing Hypothesis that a Multiple Correlation Coefficient is Zero

3rd Year (Accounting)

(Total Videos # 372)

Chapter # 01

Introduction to Accounting (25 Videos)

1.1 Introduction to Accounting

1. Need, Importance and Objectives of Accounting
2. What is Accounting?
3. Book-Keeping Versus Accounting
4. Branches of Accounting
5. Types and Forms of Business
6. Accounting System

1.2 Important Accounting Terms

7. Transaction, Goods, Stock and Account
8. Sales, Debtors, Purchases and Creditors
9. Discount and Commission
10. Proprietor, Capital, Liability, Equity and Drawings
11. Expense, Expenditure, Assets and Income

1.3 Accounting Principles

12. Accounting Principles

1.4 Accounting Concepts

13. Separate Entity and Going Concern Concept

14. Accounting Period and Matching Concept

15. Cost Concept

16. Realization Concept

17. Substance over Form Concept

18. Money measurement Concept

19. Dual Aspect Concept

1.5 Accounting Conventions

20. Conservatism Convention

21. Full Disclosure Convention

22. Consistency Convention

23. Materiality Convention

1.6 Qualitative Characteristics of Financial Accounting Information

24. Relevance and Reliability

25. Comparability and Understandability

Chapter # 02

Transactions and Accounting Equation (04 Videos)

2.1 What is an Event?

1. Events and Transactions

2. Classification of Transactions

2.2 The Accounting Equation

3. Accounting Equation

4. Accounting Equation (Problem)

Chapter # 03

Analysis of Business Transactions and Do (12 Videos)

3.1 Analysis of Business Transactions

1. Analysis of Transactions

- 2. More on Analysis of Transactions
- 3.2 Double Entry System**
 - 3. Double Entry System
 - 4. Single Entry System
 - 5. Statement of Affairs Method
 - 6. Conversion Method
- 3.3 What is an Account?**
 - 7. Account and its Classification
 - 8. Problem: Classification of Accounts
- 3.4 Rules For Debiting and Crediting**
 - 9. Debit and Credit Rules of Accounting
 - 10. Explanation of Debit and Credit Rules of Accounting
- 3.5 Numericals**
 - 11. Analysis of Business Transactions and double entry system
 - 12. Analysis of Business Transactions and double entry system

Chapter # 04

Journal: The Original Book of Entry (11 Videos)

- 4.1 Accounting Cycle**
 - 1. Accounting Cycle
- 4.2 Journal: Book of Original Entry**
 - 2. Journal
 - 3. General Journal (Problem 1)
 - 4. Problem 2: General Journal
 - 5. Problem 3: General Journal
- 4.3 Types of Entries**
 - 6. Simple Entry and Compound Entry
- 4.4 Transactions Between Business and Its P**
 - 7. Capital and Drawing Account
 - 8. Cash Discount
- 4.5 Numericals**
 - 9. Journal: The original book of Entry (Numerical 1)
 - 10. Journal: The original book of Entry
 - 11. Journal: The original book of Entry (Numerical 2)

Chapter # 05

Ledger: The Main Books of Account (14 Videos)

5.1 Ledger: Main Book of Accounts

1. Ledger: The Main Book of Accounts

5.2 Forms of Ledger Accounts

2. Posting to the Ledger Account
3. Posting to the Ledger Account: Illustration
4. Self-Balancing Form of Ledger Account

5.3 Trial Balance

5. Trial Balance
6. Methods of Trial Balance
7. More on Methods of Trial Balance
8. Total-cum-balances Method
9. Problem 2: Recording Transactions in Journal, Ledger & Trial Balance
10. More on Recording Transactions in Ledger
11. More on Recording Transactions in Trial Balance

5.4 Numericals

12. Ledger: The Main Book of Accounts
13. Ledger: The Main Book of Accounts
14. Trial Balance

Chapter # 06

Bills of Exchange (25 Videos)

6.1 Introduction to Bills of Exchange

1. Bills of Exchange
2. Important Terms Used in Bills of Exchange
3. Types and Classification of Bills of Exchange
4. Difference between Bills of Exchange and Cheque

6.2 How Transactions Relating to Bills of E

5. Bills Receivable and Bills Payable Books
6. Accounting Treatment For Bills Receivable and Bills Payable
7. Recording of Transactions in the books of Drawer
8. Recording of Transactions in the books of Drawee

6.3 Aspects of Bills of Exchange

9. Illustration 1: Drawing, Acceptance and Payment of Bills
10. Illustration 2: Discounting of a Bill

11. Illustration 3: Bills for Collection
12. Illustration 4: Endorsement of a Bill
13. Illustration 5: Dishonour of a Bill
14. Illustration 6: Renewal of a Bill
15. Illustration 7: Retiring of a Bill
16. Illustration 8: Accommodation Bills

6.4 Promissory Note

17. Promissory Note

6.5 Numericals

18. Bills of Exchange-Numerical 1
19. Bills of Exchange-Numerical 1
20. Bills of Exchange-Numerical 2
21. Bills of Exchange-Numerical 2
22. Bills of Exchange-Numerical 3
23. Bills of Exchange-Numerical 3
24. Numerical 4: Accommodation Bill
25. Numerical 4: Accommodation Bill

Chapter # 07

Special Journals (18 Videos)

7.1 Introduction to Special Journal

1. Subdivision of Journal

7.2 Business Documents

2. Invoice
3. Debit Note
4. Credit Note
5. Receipt and Statement of Account
6. Cheque

7.3 Purchases Journal

7. Purchases Journal
8. Distinction between Purchases Journal and Purchases Account
9. Purchases Returns Journal
10. Problem: Purchases Returns Journal

7.4 Sales Journal

11. Sales Journal
12. Sales Returns Journal
13. Problem: Sales Returns Journal

7.5 Numericals

14. Numerical 1: Purchase Journal
15. Numerical 2: Sales Journal
16. More on Numerical 2: Posting of Sales Journal into Ledger Accounts
17. Numerical 3: Purchases Returns Journal
18. Numerical 4: Sales Returns Journal

Chapter # 08

Cash Book and Bank Reconciliation Statement (22 Videos)

8.1 Cash Book

1. Introduction to Cash Book

8.2 Classification of Cash Book

2. Simple Cash Book
3. Double column Cash Book
4. Posting from Cash Book to concerned Accounts in Ledger
- 5.
6. Three Column Cash Book

8.3 Opening an Account with a Bank

7. Opening an Account with a Bank
8. Accounting Treatment of Cheques
9. Dishonour of Cheques
10. Some Special Banking Transactions
11. More on Some Special Banking Transactions

8.4 Bank Reconciliation Statement

12. What is Bank Reconciliation Statement?
13. Distinction between Cash book and Pass Book
14. Preparation of Pass Book

8.5 Recording Transactions in Cash Book and

15. What is Meant by 'Rectification'?

8.6 Different causes of Disagreement

16. Causes of Disagreement between Cash Book and Pass Book

8.7 Preparation of Bank Reconciliation Statement

17. Bank Reconciliation Statement: When Cash Book Balance is given.
18. Bank Reconciliation Statement: When Pass Book Balance is given.
19. Bank Reconciliation Statement: When unfavourable Cash Book Balance is
20. Bank Reconciliation Statement: When unfavourable Pass Book Balance is

8.8 The Petty Cash Book

21. Systems of Petty Cash Accounting
22. The Petty Cash Book

23. Problem: Petty Cash Book

Chapter # 09

Journal Proper and Summary of Book Keeping (09 Videos)

9.1 Journal Proper: Divisions of Transaction

1. Opening and Closing Entries
2. Closing Entries
3. Adjustment and Entries
4. Rectifying Entries
5. Transfer Entries
6. Rare Transactions or Residuary Entries

9.2 Summary of Book Keeping

7. Problem 2: Recording Transactions in Journal, Ledger & Trial Balance
8. More on Recording Transactions in Ledger
9. More on Recording Transactions in Trial Balance

Chapter # 10

Final Accounts: The Completion of Accounts (27 Videos)

10.1 Final Accounts-Different kind of Business

1. Trading, Manufacturing and Service concerns

10.2 Final Accounts

2. Expense
3. Categories of Expense
4. Revenue and Income
5. Types and Source of Revenue
6. Matching Revenue and Expenses
7. Trading Account-Basic Level
8. Different Items of Trading Account-Debit side
9. More on Different Items of Trading Account-Debit side
10. Different Items of Trading Account-Credit side
11. Valuation of Closing Stock
12. More on Valuation of Closing Stock
13. Problem 1: Trading Account
14. Trading, Profit and Loss Account
15. Different Items of Profit and Loss Account-Debit side

16. More on Different Items of Profit and Loss Account-Debit side
17. Different Items of Profit and Loss Account-Credit side
18. Problem 2: Profit and Loss Account
19. Problem 3: Trading, Profit and Loss Account
20. Problem 4: Revised Trial Balance
21. Balance Sheet-Basic Level
22. Asset
23. Types of Assets
24. Liabilities
25. Types of Liabilities
26. Equity
27. Problem 5: Statement of Financial Position / Balance Sheet

Chapter # 11

Adjustments and their Effects on Final A (39 Videos)

11.1 Adjustments and their Effects on Final

1. Accounting System
2. Need and Types of Adjustments
3. Accrued Expenses or Outstanding Expenses
4. Prepaid Expenses or Unexpired Expenses
5. Accrued Revenue or Revenue Receivable
6. Unearned Revenue or Revenue Received in Advance
7. Depreciation of Assets
8. Methods of Depreciation
9. Interest on Capital and Drawings
10. Bad Debts
11. Doubtful Debts & Difference between Bad and Doubtful Debt
12. Treatment of Bad debts & Provision for Doubtful Debts
13. Illustration: Treatment of Bad debts & Provision for Doubtful Debts
14. More on Illustration: Treatment of Bad debts & Provision for Doubtful
15. More on Illustration: Treatment of Bad debts & Provision for Doubtful
16. Problem 1: Adjustments and their Effect on Final Accounts
17. Problem 1: More on Adjustments and their Effect on Final Accounts
18. Problem 1: More on Adjustments and their Effect on Final Accounts (II
19. Problem 2: Adjustments and their Effect on Final Accounts
20. Problem 2: More on Adjustments and their Effect on Final Accounts
21. Problem 2: More on Adjustments and their Effect on Final Accounts (II
22. Provision for Discount on Debtors & Creditors

23. Some Typical Problems in Final Accounts
24. Recovery of Bad Debts
25. Loss of Goods
26. Closure of Abnormal Loss Account
Treatment of Loan Borrowed & Lent
27. Treatment of Depreciation and Profit or Loss on sale of Fixed Assets
28. Interest on Loan & Income Tax
29. Manager's Commission and Agreement of Balance Sheet by opening Suspense
30. Adjustments of Errors in Final Accounts
31. Adjustments of Errors in Final Accounts(II)
32. Adjustments of Errors in Final Accounts (III)

11.2 Numericals

33. Numerical 1: Adjustments and their Effects on Final Accounts
34. More on Numerical 1: Adjustments and their Effects on Final Accounts
35. More on Numerical 1: Adjustments and their Effects on Final Accounts
36. Numerical 2: Adjustments and their Effects on Final Accounts
37. More on Numerical 2: Adjustments and their Effects on Final Accounts
38. More on Numerical 2: Adjustments and their Effects on Final Accounts

Chapter # 12

Work Sheet (03 Videos)

12.1 Work Sheet

1. What is Worksheet?
2. Work Sheet
3. More on Work Sheet

Chapter # 13

Financial Statements (17 Videos)

13.1 Income Statement

1. Statement of Profit or Loss - General
2. Manufacturing Account or Cost of Goods sold Statement
3. Problem 1: Income Statement

13.2 Effects of Adjustment on Financial Statement

4. Accrued Expenses or Outstanding Expenses
5. Prepaid Expenses or Unexpired Expenses
6. Accrued Revenue or Revenue Receivable

7. Unearned Revenue or Revenue Received in Advance
8. Depreciation of Assets
9. Interest on Capital and Drawings
10. Inventory-Opening and Closing

13.3 Balance Sheet-Advance Level

11. Balance Sheet-Advance Level
12. Problem 1: Balance Sheet
13. Problem 2: Balance Sheet

13.4 Numericals

14. Numerical 1: Statement of Profit or Loss
15. Numerical 1: Statement of Profit or Loss
16. Numerical 1: Statement of Profit or Loss
17. Numerical 2: Statement of Financial Position

Chapter # 14

Capital and Revenue (12 Videos)

14.1 Capital and Revenue Expenditure

1. Capital Expenditure
2. List of Capital Expenditure
3. List of Capital Expenditure - II
4. Revenue Expenditure
5. List of Revenue Expenditure
6. Problem 1: Identification of Revenue and Capital
7. Problem 2: Identification of Revenue and Capital
8. Exceptions to the Revenue Expenditure
9. Capital and Revenue Receipts and Profits
10. Capital and Revenue Losses and Payments

14.2 Numericals

11. Numerical 1: Capital and Revenue Expenditure
12. Numerical 2: Capital and Revenue Expenditure

Chapter # 15

Rectification of Errors (20 Videos)

15.1 Rectification of Errors

1. What is Rectification of Errors and types of Errors
2. Book-keeping Errors
3. More on Book-keeping Errors

4. Trial Balance Errors
5. Rectifying the Errors
- 15.2 Error causing Disagreement in Ledger an**
 6. Problem 1: One sided Error
 7. Problem 2: Two sided Error
 8. Accounts before and after Rectification of Errors
 9. Suspense Account
 10. One-sided Errors at Different stages
 11. Two-sided Errors at Different Stages
- 15.3 Effect of Errors on the Final Accounts**
 12. Effect of Errors on Net Profit
 13. Problem: Effects of Errors on Income Statement
 14. Effect of Errors on Balance Sheet
 15. Problem: Effect of Errors on Balance Sheet
 16. Problem: More on Effects of Errors on Balance Sheet
- 15.4 Numericals**
 17. Numerical 1: Rectification of Errors
 18. Numerical 2: Rectification of Errors
 19. Numerical 3: Preparation of Suspense Account from Entries
 20. State the Effects of Errors on Final Accounts

Chapter # 16

Accounts From Incomplete Records (19 Videos)

- 16.1 Introduction to Single Entry System**
 1. Single Entry System
 2. Profit/ (Loss) Determination under Single Entry System
- 16.2 Statement of Affairs Method**
 3. Numerical 1: Statement of Affairs Method
 4. Numerical 2: Statement of Affairs Method
 5. Numerical 3: Statement of Affairs Method
 6. More on Numerical 3: Statement of Affairs Method
- 16.3 Conversion Method**
 7. Conversion Method
 8. Steps Involve in Conversion Method
 9. Total Debtors Account and Total Creditors Account
 10. Total Creditors Account
 11. Numerical 1: Conversion Method
 12. More on Numerical 1: Conversion Method
 13. More on Numerical 1: Conversion Method
 14. Margin and Mark-up

15. Calculation of Missing Data using Mark-up Rate
16. Calculation of Missing Data using Margin and Inventory Turnover
17. Inventory lost in Fire or by Theft
18. More on Inventory lost in Fire or by Theft
19. More on Inventory lost in Fire or by Theft

Chapter # 17

Accounts of Non-Profit Making Organizati (16 Videos)

17.1 Introduction of Non-Profit Making Organ

1. Non-Profit Organizations
2. Accounts of Non-Profit Organizations
3. Some Particular Terms of Non Profit Organisations
4. More on Some Particular Terms of Non Profit Organisations]

17.2 Accounts of Non-Profit making Organizat

5. Receipt and Payment Account
6. Example 1: Income and Expenditure Account
7. Adjustment for Subscription
8. Example: Ascertain the amount of Subscription
9. Adjustment for Admission fee/ Entrance fee
10. Example: Admission Fee
11. Difference between Cash Book & Receipt and Payment Account
12. Problem: Receipt and Payment Account
13. More on Problem: Receipt and Payment Account
14. Problem: Income & Expenditure Account
15. Problem: Income & Expenditure Account
16. Problem: Statement of Financial Position (Balance Sheet)

Chapter # 18

Sole Proprietorship and Partnership (58 Videos)

18.1 Proprietorship

1. Proprietorship and its Accounting Treatment
2. Comparison between Proprietorship and Partnership

18.2 Partnership

3. Partnership and its kinds.

18.3 Distribution of Profit and Loss

4. Partnership Agreement
5. Clauses under Partnership Agreement
6. More on Clauses under Partnership Agreement
7. Partnership Rules in the Absence of an Agreement
8. Entries for Disribution of Profit
9. Profit and Loss Appropriation Account
10. Interest on Capital and Drawings
11. More on Interest on Capital and Drawings
12. Fixed and Fluctuating Capital
13. More on Fixed and Fluctuating Capital
14. Change in Profit sharing ratio
15. Average Profit Method of Goodwill
16. Super Profit Method of Goodwill
17. Capitalization Method of Goodwill

18.4 Admission of Partners

18. Admission of a New Partner
19. Calculation of Sacrifice Ratio
20. Example: Calculation of Gain or Sacrifice Ratio of old Partners
21. Revaluation of Assets & Liabilities
22. Goodwill on Admission: When Goodwill Account does not Exist
23. Premium Method for the Treatment of Goodwill
24. Revaluation and Memorandum Revaluation Method
25. Goodwill on Admission: Where Goodwill Account already Exists
26. Adjustment regarding Capital
27. Treatment of Reserves on Admission of a New Partner

18.5 Retirement of Partners

28. Retirement of a Partner
29. Treatment of Goodwill on Retirement
30. Payment to the Retiring Partner

18.6 Death of Partners

31. Example: Deceased's Share of Goodwill and Gaining Ratio
32. Joint Life Policy

18.7 Dissolution of Partnership

33. Dissolution of Partnership and Partnership Firm
34. Accounting Treatment: Dissolution of Partnership Firm
35. Modes of Dissolution of a Firm
36. Dissolution of Partnership Firm by Court of Law
37. Settlement of Accounts on Dissolution
38. Realisation Account
39. More on Realisation Account
40. Treatment of Realisation Expenses
41. Garner vs Murray Rule
42. Dissolution of the Firm-When all partners are Insolvent
43. Closing of Books in case Partners are Insolvent

18.8 Numericals

44. Partnership Accounts - Numerical 1
45. Partnership Accounts - More on Numerical 1
46. Numerical 2: Profit/Loss Distribution under Partnership
47. More on Numerical 2: Profit/Loss Distribution under Partnership
48. More on Numerical 2: Profit/Loss Distribution under Partnership
49. Numerical 3: Journal Entries for Revaluation of Assets
50. Numerical 4: Partnership-Admission of a Partner
51. More on Numerical 4: Partnership-Admission of a Partner
52. Numerical 5: Partnership-Revaluation Account on admission of a New Pa
53. Numerical 6: Partnership-Balance Sheet on admission of a New Partner
54. Numerical: Partnership-Journal Entries on death of a Partner
55. More on Numerical: Partnership-Journal Entries on death of a Partner
56. Numerical: Dissolution of the Firm
57. Numerical: Accounts to close the Books (Realisation & Cash Account)
58. Numerical: Accounts to close the Books (Capital Account)

Chapter # 19

Depreciation, Provisions and Reserves (21 Videos)

19.1 Introduction to Depreciation

1. Depreciation
2. More on Depreciation

19.2 Methods of Calculating Depreciation

3. Methods of Depreciation
4. Problem 1: Machinery Account using Fixed Installment Method of Deprec
5. Problem 2: Fixed Installment Method of Depreciation (Advance Level)
6. More on Problem 2: Fixed Installment Method of Depreciation (Advance
7. More on Problem 2: Fixed Installment Method of Depreciation (Advance
8. Reducing or Diminishing Balance Method of Depreciation
9. Sum of Year's Digits Method
10. Problem 3: Sum of Year's Digits Method
11. Annuity Method of Depreciation
12. Sinking Fund Method of Depreciation
13. Revaluation and Depletion Method of Depreciation
14. Machine hour Rate and Mileage method of Depreciation

19.3 Effects of Depreciation

15. Causes of Depreciation
16. External Causes of Depreciation
17. Accounting Entries for Depreciation

19.4 Reserve and Provision

18. Reserve

19. Provision

20. Distinction between Provision and Reserve

21. Distinction between Provision and Reserve-II