

**Bachelor of Commerce (B.Com)****VI- SEMESTER**

(4 Hours of Teaching per Week)

Course Code: (B.Com: VI.1)

**STATISTICAL METHODS**

**Course Objectives:** To enable the students to understand the practical application of statistical tools in business area.

**Pedagogy:** Class room lectures, exercises and skill development activities.

**Module-1: Correlation Analysis:**

(12 Hours)

Meaning and Methods of studying Correlation, Degree of Correlation, Karl Pearson's Co-efficient of Correlation, Probable Error (Simple and Bivariate Tables).

**Module-2: Regression Analysis:**

(12 Hours)

Meaning, Correlation vs Regression, Determination of Regression Co-efficient, Estimations through Regression Equations (Simple and Bivariate Tables).

**Module-3: Interpolation and Extrapolation:**

(08 Hours)

Meaning, Utility, Algebraic Methods – Binomial and Newton's Methods only.

**Module-4: Association of Attributes:**

(10 Hours)

Meaning, Correlation vs Association of Attributes, Methods – Yule's Method only.

**Module-5: Statistical Quality Control:**

(10 Hours)

Meaning, Objectives, Control Charts and their Uses, Types of Control Charts – Mean Chart and Range Charts only.

**Module-6: Index Numbers**

(12 Hours)

Meaning, Purpose, Steps and Problems in the Construction of Index Numbers, Limitations, Types – Weighted, Simple Aggregate Index Number, Simple Price Relative Method, Weighted Index Numbers, Laspeyre's, Paasche's, Bowley's and Fisher's, Ideal Index Numbers, Test of Adequacy – TRT and FRT Cost of Living Index Number - Aggregate Expenditure Method, and Family Budget Method.

**❖ Skill Development Activities:**

1. Finding the Correlation between any two quantitative variables of your own choice,
2. Finding the unknown values by the use of Regression Equations,
3. Forecasting by the use of Extrapolation Technique,
4. Construction of Cost of Living Index, and
5. Finding the Quality Control Process – is in control or not - by using Control Charts.

**Reference Books:**

1. Elhance and Veena Elhance, **Statistics**
2. Gupta S. P, **Statistical Methods**
3. Pillai and Bhagavathy, **Statistics**

**Bachelor of Commerce (B.Com)****VI- SEMESTER****(4 Hours of Teaching per Week)**

Course Code: (B.Com: VI.2)

**MANAGEMENT ACCOUNTING**

**Course Objectives:** To enable the students to grasp Theoretical and Practical aspects of Management Accounting relevant for business undertakings and managerial decisions.

**Pedagogy:** Combination of Class-room Lectures, Cases, Group Discussion,

**Module-1: Introduction: (06 Hours)**

Definitions, Meaning, Objectives and Scope of Management Accounting. Limitations of Management Accounting. Differences between Cost Accounting, Financial Accounting and Management Accounting.

**Module-2: Financial Statement Analysis: (12 Hours)**

Analysis and Interpretation of Financial Statements. Techniques of Financial Analysis, Problems thereon.

**Module-3: Ratio Analysis: (12 Hours)**

Meaning & Definitions, Importance and Limitations of Ratio Analysis. Classification of Ratios.

- a. **Profitability Ratios-** Gross Profit Ratio, Net Profit Ratio, Operating Profit and Cost Ratio, and Earning per Share.
- b. **Turnover Ratios-** Inventory Turnover Ratio, inventory conversion period, Debtors Turnover Ratio, Debt Collection Period, Creditors Turnover Ratio, Debt Payment Period.
- c. **Liquidity Ratio** - Current Ratio, Liquid Ratio, absolute liquid ratio.
- d. **Solvency Ratio:** Debt Equity Ratio, Proprietary Ratio and Capital Gearing Ratio, Problems thereon.

**Module-4: Fund and Cash Flow Statement: (15 Hours)**

Meaning of Fund Flow Statement, Uses and Limitations. Preparation of Fund Flow Statement, Problems thereon, calculation of cash from operation, preparation of cash flow statement.

**Module-5: Budgetary Control: (15 Hours)**

Meaning of Budget, Budgeting, and Budgetary Control. Types of Budget, Limitations of Budgetary Control. Problems on Cash Budget, Production Budget, Sales and Flexible Budget.

**❖ Skill Development Activity**

1. Preparation of common size financial statements, trend percentages and comparative financial statement.
2. Calculation of ratios based on financial statement.
3. Preparation of fund flow statements and determination of funds from operations with imaginary figures.
4. Identifying current assets, current liabilities, non-current assets and liabilities from the given information.
5. Preparation of flexible budgets with imaginary figures.

**Reference Books:**

1. Made Gowda J., **Management Accounting**, Himalaya Publishing House
2. Gupta. S.P., **Management Accounting**
3. Sharma R.K. & Gupta, **Management Accounting**
4. Maheswari S.N., **Management Accounting**
5. Goyal S.N. & Dr. Manmohan, **Management Accounting**.

## VI- SEMESTER

(4 Hours of Teaching per Week)

Course Code: (B.Com: VI.3) **METHODS AND TECHNIQUES OF COSTING**

**Course Objectives:** To enable the students to understand the Methods of Costing, and Systems and Techniques of Cost Accounting.

**Pedagogy:** Class room lectures, Exercises, and skill development activities.

**Module-1: Contract Costing:**

(15 Hours)

Meaning, Features, Treatment of Certain Important Costs, Contract Price, Work Certified, Work Uncertified, Retention Money, Profit on Incomplete Contracts, Preparation of Contract Accounts and Balance Sheet.

**Module-2: Process Costing:**

(12 Hours)

Meaning, Features, Treatment of Waste, Scrap, Normal Loss, Abnormal Loss and Abnormal Gain; Preparation of Process Accounts, Problems, (excluding Joint Products and By-Products, and Equivalent Production).

**Module-3: Operating Costing:**

(10 Hours)

Meaning, Classification of Operating Costs, Problems on Preparation of Operating Cost Sheet (only Transport Undertakings).

**Module-4: Marginal Costing:**

(12 Hours)

Meaning, Definitions, Merits and Limitations, Marginal Cost Equations, P/V Ratio, Break-Even Analysis, Computation of BEP, Cost- Volume-Profit Relationship, and Problems.

**Module-5: Standard Costing:**

(15 Hours)

Meaning, Definitions, Differences between Standard Costing and Budgetary Control, Advantages and Limitations of Standard Costing, Preparation of Standard Cost Sheet, Analysis of Variances, Problems on Material Cost Variance, Material Price Variance, Material Usage Variance, Labour Cost Variance, Labour Rate or Pay Variance, Labour Efficiency Variance, Idle Time Variance; and Overhead Variance (Theory only in the case of Overhead Variances).

❖ **Skill Development Activities:**

1. Write a note on (a) Contract Price (b) Work Certified and Work uncertified (c) Escalation Element (d) Cost Plus Contracts (e) Profits on incomplete Contracts and (f) Sub contracts costs.
2. Visit a contractor and collect a copy of contract agreement.
3. Visit and collect information from any process industry regarding stages of production over heads, normal and abnormal losses.
4. Collect the necessary information from a bus owner Transport undertaking, and prepare operating cost sheet and detail
5. List out causes for material, Price, material usage, labour rate and labour efficiency variances.

**Note:** All activities are compulsory

**Reference Books:**

1. Arora M. N., **Cost Accounting**
2. Dyckman Bierman and Murse, **Cost Accounting**
3. Iyengar S. P., **Cost Accounting**
4. Jain S. P. and K. L. Narang, **Cost Accounting**
5. Jawahar, **Cost Accounting**
6. Madegowda J. **Cost Accounting (Elements of Cost and Methods of Costing)**, Himalaya Publishing House
7. Madegowda J., **Advanced Cost Accounting**, Himalaya Publishing House
8. Nigam and Sharma, **Cost Accounting**
9. Pattanashetty and Palekar, **Cost Accounting**
10. Prasad N. K., **Cost Accounting**
11. Raman B. S., **Cost Accounting**

