**Category I**

**Bachelor of Business Administration (Financial Investment Analysis) [BBA (FIA)]**


**(Provide the details of the Discipline Specific Coursesoffered by your department for the UG Programme with your disciplineas the Single Core Discipline)**


## DISCIPLINE SPECIFIC CORE COURSE – 4 (DSC-4): COST & MANAGEMENT ACCOUNTING

**CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

| Course title & Code | Credits | Credit distribution of the course | | | Eligibility criteria | Pre-requisite of the course (if any) |
|---|---|---|---|---|---|---|
| | | Lecture | Tutorial | Practical/ Practice | | |
| Cost & Management Accounting (DSC-4) | 4 | 3 | 1 | 0 | Class XII Pass | Nil |

**Learning Objectives**

The Learning Objectives of this course are as follows:

- The rapidly changing business environment requires managers to make informed decisions.
- This paper will equip the students with cost and management accounting concepts, techniques and practices which will help them in planning and controlling business operations and management decision making.


**Learning Outcomes**

The Learning Outcomes of this course are as follows:

- Understand and distinguish various types of costs in manufacturing and service organizations.
- Determine the costs of products and services.
- Identify relevant costs for decision making and undertake different analysis of various types of decisions.
- Prepare budgets and analyse variances from standard cost to identify areas in need of control.


**SYLLABUS OF DSC-4**


**Unit 1: Nature, Scope of Management Accounting                    (12 Hours)**
Meaning, nature and scope of Cost Accounting and Management Accounting; Comparison between Cost Accounting & Management Accounting; Cost Control, Cost Reduction& Cost Management, Components of Total Cost & Preparation of Cost Sheet. Cost Ascertainment: Cost Unit and Cost Center. Overheads: Meaning, Cost Drivers, Accumulation, Allocation, Apportionment and Absorption.

Classification of Costs: Fixed, Variable, Mixed Cost; Product, and Period Costs; Direct and Indirect Costs; Relevant and Irrelevant Costs; Shut-down and Sunk Costs; Controllable, and Uncontrollable Costs; Avoidable, and Unavoidable Costs; Imputed / Hypothetical/Implicit Costs and Out-of-pocket Costs; Opportunity Costs; Expired, and Unexpired Costs.

## Unit 2:  Cost-Volume-Profit Analysis                                    (12 Hours)
Absorption Costing and Marginal costing, Contribution. Profit Volume Ratio, Break-even Analysis: Break-even Point, Composite Break-even Point, Cash Break-even Point, Margin of safety. Angle of Incidence.
Relevant Costs and Decision Making such as: Key Factor, Pricing, Product Profitability, Dropping a product line, Make or Buy, Export Order, Shut down vs. Continue operations.

## Unit 3: Budgets and Budgetary Control                                    (9 Hours)
Meaning, Steps in Budgetary Control, Types of Budgets: Sales budget, Production Budget, Raw material consumption Budget, Raw Material Purchase Budget, Overhead Budgets, Cash Budget, and Master Budget. Fixed and Flexible Budgets, Zero based budgeting.

## Unit 4: Standard Costing and Variance Analysis                          (9 Hours)
Meaning of Standard Cost and Standard Costing, Advantages, Limitations and Applications; Material Cost Variance, Price and Usage Variance and Mix and yield Variance; Labor Cost Variance, Rate and Usage Variance, Idle time, Mix and Yield variance.

## Unit 5: Contemporary Issues in Cost Accounting and Management Accounting   (3 hours)
Introduction to the concept of Target Costing, Life Cycle Costing, Quality Costing, and Activity based Costing.
**Practical component (if any) - NIL**

**Essential/Recommended Readings:** Latest editions of the following to be used:
1.Horngren's Cost Accounting: A Managerial Emphasis. Pearson.
2. Arora, M.N. (2016) A Textbook of Cost and Management Accounting. Vikas Publishing House Pvt. Ltd.
3. Maheshwari, S.N. and Mittal, S.N. (2016) Cost Accounting: Theory and Problems. Shree Mahavir Book Depot.

**Suggested Readings:** Latest editions of the following to be used:
1. Arora, M.N. & Katyal Priyanka, Management Accounting: Theory, Problems & Solutions, Himalaya Publishing House
2. Lal, Jawahar. Advanced Management Accounting: Text, Problems & Cases, Sultan Chand & Company Ltd.

Note: Latest edition of the readings may be used.
**Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.**

**Credit distribution, Eligibility and Prerequisites of the Course**

| Course title & Code | Credits | Credit distribution of the course | | | Eligibility criteria | Pre-requisite of the course (if any) |
|---|---|---|---|---|---|---|
| | | Lecture | Tutorial | Practical/ Practice | | |
| MACROECONOMICS (DSC-5) | 4 | 3 | 1 | 0 | Class XII Pass | Nil |

**Learning Objectives**

The Learning Objectives of this course are as follows:

- This course deals with the principles of Macroeconomics.
- The coverage includes determination of and linkages between major economic variables, level of output and prices, inflation, interest rates and exchange rates.
- The course is designed to study the impact of monetary and fiscal policy on the aggregate behaviour of individuals.

**Learning Outcomes**

The Learning Outcomes of this course are as follows:

- Understand the determination of key macroeconomic variables.
- Describe models of determination of equilibrium outputs, prices and rate of interest.
- Analyse the role of the Government in an economy and examine how it uses its fiscal and monetary policy to influence macro-economic variables.
- Explain the working of an open economy.

**SYLLABUS OF DSC –5**

**Unit 1: Introduction to Macroeconomics and National Income Accounting (6 Hours)**

Origin of macroeconomics; Income, expenditure and the circular flow in three and four sectoral economies; real versus nominal GDP; price indices; measurements of gross domestic product; national income accounting for open economy; National Income Identity.

**Unit 2: Theory of Income Determination and Interest Rate (18 Hours)**

Classical theory of income and employment and Simple Keynesian Theory of Income Determination, changes in equilibrium, Paradox of Thrift and Investment multiplier.

Quantity Theory of Money–Cambridge version, Classical theory of interest rate and Keynesian Theory of Liquidity Preference and interest rate, Liquidity Trap; Credit Creation and Money Multiplier

Goods market and money market, graphical derivations of the Hicks-Henson model (IS and LM functions); Properties of IS-LM curves, factors affecting the position and slope of IS-LM curves, determination of equilibrium income and interest rates; Studying the impact of fiscal and monetary policies using IS-LM framework.

## Unit 3: Inflation                                                        (9 Hours)
Inflation: meaning; demand and supply side factors; natural rate theory; monetary policy-output and inflation (monetarist view); Phillips curve: short run and long run.

## Unit 4: Balance of Payment and International Trade                        (12 Hours)
Brief introduction to Balance of Payment (BOP) account; market for foreign exchange and exchange rate; monetary and fiscal policy in open economy; Mundell Fleming model: perfect capital mobility and imperfect capital mobility under fixed and flexible exchange rate.

## Practical component (if any) - NIL

## Essential/Recommended Readings
1. Froyen, R. P. (2011): Macroeconomics-theories and policies (8th Edition). Pearson.
2. Dornbusch and Fischer (2010): Macro economics (9th Edition).Tata McGraw Hill.
3. N Gregory Mankiw (2010). Macro economics (7th Edition).Worth Publishers

**Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.**

**Credit distribution, Eligibility and Pre-requisites of the Course**

| Course title & Code | Credits | Credit distribution of the course | | | Eligibility criteria | Pre-requisite of the course(if any) |
|---|---|---|---|---|---|---|
| | | Lecture | Tutorial | Practical/ Practice | | |
| QUANTITATIVE TECHNIQUES (DSC-6) | 4 | 3 | 1 | 0 | Class XII Pass | Nil |

**Learning Objectives**

The Learning Objectives of this course are as follows:

- To apprise students with the construction of mathematical models for managerial decision situations and to use spreadsheets or computer software packages to obtain a solution wherever applicable.
- The emphasis is on understanding the concepts, formulation and interpretation.

**Learning Outcomes:** After the end of the course, students should be able to

- Identify, formulate and solve Linear Programming Problems graphically, mathematically and by using excel solver.
- Solve optimization problems like transportation and assignment problem.
- Develop critical thinking and use PERT and CPM techniques to improve decision making.
- Identify different types of decision-making environments and choose the appropriate decision-making approaches for each.

**SYLLABUS OF DSC – 6**

**Unit 1: Optimization: Linear Programming Problem                         (12 Hours)**

Formulation of Linear Programming Problems, Graphical Solutions (Special cases: Multiple optimal solution, infeasibility, unbounded solution); Simplex Method, Big-M method and Two-phase method; Special cases, Duality (emphasis on formulation & economic interpretation); Post-optimality and Sensitivity Analysis. Applications of linear programming to Marketing, Finance, Operations Management, Data Envelopment Analysis etc.,

**Unit 2: Transportation and Assignment Problem                         (9 Hours)**

Transportation Problem: Formulation, Solution by N.W. Corner Rule, Least Cost method, Vogel's Approximation Method (VAM), Modified Distribution Method; Degeneracy, Special cases: Multiple Solutions, Maximization case, Unbalanced case, Prohibited routes.

Assignment Problem: Hungarian Method, Special cases: Multiple Solutions, Maximization case, Unbalanced case, Restrictions on assignment.

## Unit 3: Network Analysis                                    (12 Hours)

Basic Concept, Construction of AOA Network diagram, Critical Path Analysis, float and slack analysis (Total float, free float, independent float, Safety Float), probability consideration in PERT, Time-Cost Trade-off in Project.

## Unit 4: Decision Theory                                     (12 Hours)

Decision making environment, Construction of Pay off Table, Opportunity Loss Table, Decision under uncertainty, Decision under Risk: EMV, EOL, EVPI.

Decision under Conflict: Game Theory, Two-person Zero-Sum games, Maximin Minimax Principle, Games without Saddle point- Mixed strategy, Dominance Rule; Reduction of m x n game and solution of 2x2, 2 x s, and r x 2 cases by Graphical Method.

**Practical component (if any) - NIL**

**Essential/Recommended Readings**

1. Vohra, N. D., Quantitative Management, Tata McGraw Hill.
2. Kanti Swarup, Gupta, P. K., & Man Mohan, Operations Research, Sultan Chand & Sons.

**Suggested readings**

1. Taylor, B. W., Introduction to Management Science, Pearson India.
2. Hillier, M. S., & Hillier, F. S., Introduction to Management Science, Pearson India.

Note: Latest edition of the readings may be used.

## COMMON POOL OF GENERIC ELECTIVES (GE) COURSES

## GENERIC ELECTIVES (GE-4): FUNDAMENTALS OF ECONOMETRICS

**Credit distribution, Eligibility and Pre-requisites of the Course**

| Course title & Code | Credits | Credit distribution of the course | | | Eligibility criteria | Pre-requisite of the course |
|---|---|---|---|---|---|---|
| | | Lecture | Tutorial | Practical/ Practice | | |
| **FUNDAMENTALS OF ECONOMETRICS (GE-4)** | 4 | 3 | 0 | 1 | Class XII Pass | Nil |