

# MEC Syllabus - TOSS and NIOS

## Telangana Open School Society (TOSS) - Intermediate MEC Syllabus

The Telangana Open School Society (TOSS) Intermediate MEC stream includes Mathematics, Economics, and Commerce.

The syllabus is aligned with the Telangana State Intermediate Board curriculum and is designed for open learners.

Mathematics:

1. Sets, Relations, and Functions
2. Trigonometric Functions and Identities
3. Complex Numbers and Quadratic Equations
4. Sequences and Series
5. Straight Lines, Circles, and Conic Sections
6. Limits, Continuity, and Differentiation
7. Integration and Definite Integrals
8. Differential Equations and Applications
9. Vectors and Three-Dimensional Geometry
10. Probability, Statistics, and Linear Programming

Economics:

1. Introduction to Economics - Definition, Scope, and Importance
2. Consumer Behavior and Demand Analysis
3. Production, Cost, and Revenue
4. Market Structures: Perfect Competition, Monopoly, and Oligopoly
5. National Income: Concepts and Measurement
6. Money, Banking, and Public Finance
7. Indian Economy: Planning, Sectors, and Economic Reforms
8. Globalization, Foreign Trade, and Balance of Payments
9. Poverty, Unemployment, and Inflation
10. Sustainable Development and Economic Growth

Commerce (Business Studies and Accountancy):

1. Nature, Scope, and Objectives of Business
2. Forms of Business Organization
3. Business Finance and Services (Banking, Insurance, Warehousing)
4. Business Management and Communication
5. Marketing - Concepts and Consumer Protection
6. Accounting Concepts and Principles
7. Journal, Ledger, and Trial Balance
8. Financial Statements - Trading, Profit & Loss, Balance Sheet
9. Depreciation, Reserves, and Provisions
10. Partnership Accounts and Non-Profit Accounting

### **National Institute of Open Schooling (NIOS) - Senior Secondary MEC Syllabus**

The National Institute of Open Schooling (NIOS) Senior Secondary MEC stream offers Mathematics (311), Economics (318), and Business Studies (319) or Accountancy (320) as its core subjects. The syllabus emphasizes conceptual understanding, analytical skills, and practical applications in business and economics.

Mathematics (311):

1. Sets, Relations, and Functions
2. Mathematical Induction and Complex Numbers
3. Quadratic Equations, Sequences, and Series
4. Permutations and Combinations
5. Binomial Theorem
6. Coordinate Geometry (Straight Lines, Circles, Parabolas, Ellipses, Hyperbolas)
7. Limits, Continuity, and Differentiability
8. Integration, Differential Equations, and Applications
9. Probability, Statistics, and Linear Programming
10. Vectors and Three-Dimensional Geometry

Economics (318):

1. Introduction to Economics and Basic Concepts
2. Consumer Behavior, Demand, and Supply

3. Production and Costs
4. Market Structures and Price Determination
5. National Income: Measurement and Components
6. Money, Banking, and Public Finance
7. Indian Economy: Features, Sectors, and Planning
8. Economic Reforms, Globalization, and Liberalization
9. Poverty, Unemployment, and Inequality
10. Sustainable Development and Environment

Business Studies (319):

1. Nature and Objectives of Business
2. Forms of Business Organization
3. Business Finance and Sources of Capital
4. Business Communication and Emerging Modes of Business (E-commerce)
5. Internal and International Trade
6. Business Ethics and Social Responsibility
7. Consumer Protection
8. Principles of Management

Accountancy (320):

1. Accounting Process: Journal, Ledger, and Trial Balance
2. Bank Reconciliation Statement
3. Depreciation, Provisions, and Reserves
4. Financial Statements: Trading, Profit & Loss, and Balance Sheet
5. Accounting for Non-Profit Organizations
6. Partnership Accounts
7. Computerized Accounting System

*Note: These syllabi are compiled based on official TOSS and NIOS sources. For detailed and updated modules, refer to the respective official websites of TOSS and NIOS.*