

**DALY COLLEGE, INDORE**  
**TERMINAL EXAM CLASS XI CI SYLLABUS**  
**SEP-2023**

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**1. ENGLISH**

*Paper-1: ESSAY*

(Socio-Political, Economic, Moral, STEM, Lang-Lit, Art & Media)

*Paper-2: COMPREHENSION*

(Fictional Content Analysis, Graphical Data Interpretation & Analysis, Factual Content Analysis)

**2.ECO**

**1.Basic economic Ideas and resource allocation**

- 1 Scarcity, choice and opportunity cost
- 2 Positive and normative statements
- 3 Factors of production
- 4 Resource allocation in different economic systems and issues of transition
- 5 Production possibility curves
- 6 Classification of goods and services

**2. The price system and the microeconomy**

- 7 Demand and supply curves
- 8 Price elasticity, income elasticity and cross elasticity of demand
- 9 Price elasticity of supply
- 10 The interaction of demand and supply
- 11 Consumer and producer surplus

**3. Government microeconomic intervention**

- 12 Reasons for government intervention in markets
- 13 Methods and effects of government intervention in markets
- 14 Addressing income and wealth inequality

**4. The Macroeconomy**

- 15 National income statistics
- 16 Introduction to the circular flow of income
- 17 Aggregate Demand and Aggregate Supply analysis
- 18 Economic growth
- 19 Unemployment
- 20 Price Stability

**3. PHYSICS**

- 1 KINEMATICS
- 2.ACCELERATED MOTION
- 3.DYNAMICS
- 4.FORCES
- 5.WORK ENERGY POWER
- 6.MOMENTUM
- 7.MATTER AND MATERIALS
- 8.ELECTRIC CURRENT
- 9.KIRCHHOFFS LAWS
- 10.RESISTANCE AND RESISTIVITY
- 11.PRACTICAL CIRCUITS
- 12.WAVES
- 13.SUPERPOSITION OF WAVES

**4.CHEMISTRY**

- UNIT 1.Atomic structure  
UNIT 2.Electrons in atoms  
UNIT 3. Atoms, molecules and stoichiometry  
UNIT 4. Chemical bonding  
UNIT 5. States of matter  
UNIT 6. Enthalpy changes  
UNIT 7. Redox reactions  
UNIT 14 .Introduction to organic chemistry  
UNIT 15 .Hydrocarbons  
UNIT 16 . Halogenoalkanes

**5. MATHEMATICS:**

**Pure Mathematics (9709/12)**

1. Algebra
2. Coordinate Geometry
3. Sequences and Series
4. Functions
5. Differentiation

**Statistics (9709/52)**

1. Representation of Data
2. Measures of Central Tendency
3. Measures of Variation
4. Probability
5. Permutations and Combinations
6. Probability Distributions
7. The Binomial and Geometric Distributions

## **6. BIOLOGY**

Cell Structure  
Biomolecules  
Enzymes  
Cell Membrane and Transport  
The Mitotic Cell Cycle  
Nucleic acid and protein synthesis  
Transport in Plants  
Transport in Mammals  
Gas Exchange

## **7. COMPUTER SCIENCE**

Chapter 1 - Information Representation and Multimedia  
Chapter 2 - Communication  
Chapter 3 - Hardware  
Chapter 4 - Processor Fundamentals  
Chapter 5 - System Software  
Chapter 6 - Security, Privacy and Data Integrity  
Chapter 9 - Algorithm Design & Problem Solving  
Chapter 10 - Data Types and Structures  
Chapter 11 - Programming  
Chapter 12 Software Development

## **8. PSYCHOLOGY**

Research methodology

Biological Approach

- Dement and Kleitman (sleep and dreams)
- Hassett et al. (monkey toy preferences)
- Hölzel et al. (mindfulness and brain scans)

Cognitive Approach

- Andrade (doodling)
- Baron-Cohen et al. (eyes test)

## **9. BUSINESS**

Unit 1 Business and its environment.

1. Enterprise
2. Business structure
3. Size of business
4. Business objectives.
5. Stakeholders in business.

Unit 2 Human resource management.

1. Human resource management
2. Motivation
3. Management.

Unit 3 Marketing

1. The nature of marketing
2. Market research.

Unit 5 Finance and Accounting

1. Business Finance
2. Forecasting and managing cash flows
3. Costs.
4. Budgets

## **10. ACCOUNTS**

**Financial accounting**

- 1.1 Types of Business entity
- 1.2 The Accounting System
- 1.3 Accounting for non-current assets
- 1.4 Reconciliation and Verification
- 1.5 Preparation of financial statements
- 1.6 Analysis and communication of accounting information

**Cost and management accounting**

- 2.1 cost and Cost behaviour - Materials and Labour.
- 2.2 Absorption Costing.