

DALY COLLEGE, INDORE

TERMINAL EXAM SYLLABUS CLASS XI CI, SEPTEMBER 2024

1. ENGLISH

Paper 1 – Essay 30 marks

Candidates are advised to write an essay of 600–700 words.

- Economic, historical, moral, political and social
- Science, including its history, philosophy, ethics, general principles and applications; environmental issues; technology and mathematics
- Literature, language, the arts, crafts, and the media

Paper 2 – Comprehension 50 marks

This paper has two sections and each section is worth 25 marks.

2.ECONOMICS

1.Basic economic

Ideas and resource allocation

1.1 Scarcity, choice and opportunity cost

1.2 Positive and normative statements

1.3 Factors of production

1.4 Resource allocation in different economic systems and issues of transition

1.5 Production possibility curves

1.6 Classification of goods and services

2. The price system and the microeconomy

2.1 Demand and supply curves 2.2 Price elasticity, income elasticity and cross elasticity of demand

2.3 Price elasticity of supply 2.4 The interaction of demand and supply 2.5 Consumer and producer surplus

3. Government microeconomic intervention

Reasons for government intervention in markets

3.2 Methods and effects of government intervention in markets

3.3 Addressing income and wealth inequality

4. The Macroeconomy

4.1 National income statistics

4.2 Introduction to the circular flow of income

4.3 Aggregate Demand and Aggregate Supply analysis

4.4 Economic growth

4.5 Unemployment

4.6 Price stability

3. PHYSICS :

Ch 1: Kinematics

Ch 2: Accelerated Motion

Ch 3: Dynamics

Ch 4: Forces

Ch 5: Work, Energy and Power

Ch 6: Momentum

Ch 7: Matter and Materials

Ch 8: Electric Current

Ch 9: Kirchhoff's Laws

Ch 10: Resistance and Resistivity

Ch 11: Practical Circuits

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 Halogeno alkanes

5. MATHEMATICS:

(PURE MATHEMATICS)

Chapter 1. Problem Solving

Chapter 2. Algebra

Chapter 3. Coordinate Geometry

Chapter 4. Sequence and Series

Chapter 5. Functions and Transformations

Chapter 6. Differentiation

(STATISTICS)

CH-1: REPRESENTATION OF DATA

CH-2: MEASURES OF CENTRAL TENDENCY

CH-3: MEASURES OF VARIATION

CH-4: PROBABILITY

CH-5: PERMUTATIONS AND COMBINATIONS

CH-6: PROBABILITY DISTRIBUTIONS

6. BIOLOGY

1. Cell Structure
2. Biological Molecules
3. Enzymes
4. Cell membranes and transport.
5. The mitotic cell cycle
6. Nucleic acid and protein synthesis
7. Transport in plants.
8. Transport in mammals.
9. Gas exchange.
10. Infectious diseases.

7. COMPUTER SCIENCE

1. Information representation and multimedia.
2. Communication
3. Hardware
5. System Software
6. Security, Privacy and Data Integrity
8. Databases
9. Algorithm Design and Problem solving
10. Data Types and Structures
11. Programming

8. PSYCHOLOGY

- **1.1** Dement and Kleitman
- **1.2** Hassett
- **1.3** Holzel
- **2.1** Andrade
- **2.2** Baron-cohen
- **2.3** Pozzulo
- **3.1** Bandura
- **5.1** Research Methodology
- **5.2** Methodological concepts

9. BUSINESS

- Unit 1 Business and its Environment
Unit 2 Human Resource Management
Unit 3 Marketing
Unit 5 Finance and Accounting

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 Costs and cost behaviour