

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

1. ENGLISH

Paper 1 - Essay
Paper 2 - Comprehension

2.ECONOMICS

30 Utility
31 Indifference curves and budget lines
32 Efficiency and market failure
33 Private costs and benefits, externalities and social costs and benefits
34 Types of cost, revenue and profit, short-run and long-run production
35 Different market structures
36 Growth and survival of firms
37 Differing objectives and policies of firms
38 Government policies to achieve efficient resource allocation and correct market failure
39 Equity and redistribution of income and wealth
40 Labour market forces and government intervention
41 The circular flow of income
42 Economic growth and sustainability
43 Employment and unemployment
44 Money and banking

3. PHYSICS

MOTION IN A CIRCLE
GRAVITATIONAL FIELD
OSCILLATIONS
THERMAL PHYSICS
IDEAL GASES
THERMODYNAMICS
UNIFORM ELECTRIC FIELDS
COULOMB'S LAW
CAPACITANCE
MAGNETIC FIELDS AND ELECTROMAGNETISM
MOTION OF CHARGED PARTICLES
ELECTROMAGNETIC INDUCTION
ALTERNATING CURRENTS
QUANTUM PHYSICS
PAPER V

4.CHEMISTRY

UNIT 19 Lattice energy
UNIT 20 Electrochemistry
UNIT 21 Further aspects of equilibria
UNIT 22 Reaction kinetics
UNIT 23 Entropy and Gibbs free energy
UNIT 24 Transition elements
UNIT 25 Benzene and its compounds
UNIT 26 Carboxylic acids and their derivatives
UNIT 27 Organic nitrogen compounds
UNIT 28 Polymerisation
UNIT 29 Organic synthesis

5. MATHEMATICS

Pure Mathematics (9709/32)

1. Algebra
2. Logarithms and exponentials
3. Trigonometry
4. Differentiation
5. Integration
6. Numerical simulations of equations
7. Further Algebra
8. Further Calculus

Statistics(9709/62)

1. Poisson Distribution
2. Linear Combination of Random Variables
3. Continuous Random Variables
4. Sampling and Estimation.

6. BIOLOGY

Photosynthesis
homeostasis
control and coordination
Inheritance
Selection Evolution
Biotechnology
Classification, Biodiversity and Conservation

7. COMPUTER SCIENCE

Ch-13 Data Representation

Ch-14 Communication and internet
technologies

Ch-15 Hardware

Ch-16 System Software and Virtual machines

Ch-17 Security

Ch-18 Artificial Intelligence

8. PSYCHOLOGY

4.1- Motivation to work

4.2- Leadership and management

4.3- Group behavior in organizations

4.4- Organisational work conditions

4.5- Satisfaction at work

1.1- Schizophrenia

9. BUSINESS

unit 1 Business and its environment

1. External influences on business activity
2. External economic influences on business activity
3. Business strategy
4. Corporate planning and implementation

Unit 2 Human resource management

1. Organizational structure
2. Business communication
3. Leadership
4. Human resource management Strategy.

Unit 5. Finance and Accounting

1. Financial Statements
2. Analysis of published accounts
3. Investment appraisal
4. Finance and accounting strategy

10. ACCOUNTS

Financial accounting

3.1 Preparation of financial statements

3.2 Regulatory and ethical considerations

3.3 Business acquisition and merger

3.4 Computerised accounting systems

3.5 Analysis and communication of accounting information

Cost and management accounting

4.1 Activity based costing (ABC)

4.2 Standard costing

4.3 Budgeting and budgetary control

4.4 Investment appraisal

***A level full syllabus 9607/32**