

DALY COLLEGE, INDORE

ANNUAL EXAM CLASS XI SYLLABUS

February 2021

1. ENGLISH

PART A

Reading Comprehension
Grammar
Literature

PART B

Reading Comprehension (Note Making)
Writing

Literature

Literature Section- Selected Topics

Hornbill- Prose

1. The Portrait of a Lady
2. We're Not Afraid to Die...
3. Discovering Tut
4. Landscape of the Soul
5. The Ailing Planet
6. Browning Version
7. Silk Road

Hornbill- Poetry

1. A Photograph
2. The Laburnum Top
3. The Voice of the Rain
4. Childhood

Snapshots

1. The Summer of the Beautiful White Horse
2. The Address
3. Albert Einstein at School
4. Mother's Day
5. Birth

2. PHYSICS

Chapter 1. Units and dimensions
Chapter 2. Motion in a straight line
Chapter 3. Motion in a plane
Chapter 4. Laws of Motion (Only topics required as a pre requisite for Work Power and Energy)
Chapter 5. Work, Power and Energy
Chapter 6. System of Particles and Rotational Motion
Chapter 7. Gravitation
Chapter 8. Mechanical properties of Solids
Chapter 9. Mechanical Properties of Fluids

Chapter 10. Thermal Properties of Matter
Chapter 11. Thermodynamics
Chapter 12. Kinetic Theory of Gases
Chapter 13. Oscillations
Chapter 14. Waves

3. CHEMISTRY

Unit 1 Some Basic Concepts of Chemistry
Unit 2 Structure of Atom
Unit 3 Classification of Elements and Periodicity in Properties
Unit 4 Chemical Bonding and Molecular Structure
Unit 5 States of Matter
Unit 6 Thermodynamics
Unit 7 Equilibrium
Unit 8 Redox Reactions
Unit 9 Hydrogen
Unit 10 The s-Block Elements
Unit 11 The p-Block Elements
Unit 12 Organic Chemistry – Some Basic Principles and Techniques
Unit 13 Hydrocarbons

4. BIOLOGY

Chapter 1: The Living World
Chapter 2: Biological Classification
Chapter 3: Plant Kingdom
Chapter 4: Animal Kingdom
Chapter 5: Morphology of Flowering Plants
Chapter 7: Structural Organisation in Animals
Chapter 8: Cell-The Unit of Life
Chapter 9: Biomolecules
Chapter 10: Cell Cycle and Cell Division
Chapter 13: Photosynthesis in Higher Plants
Chapter 14: Respiration in Plants
Chapter 15: Plant - Growth and Development
Chapter 17: Breathing and Exchange of Gases
Chapter 18: Body Fluids and Circulation
Chapter 19: Excretory Products and their Elimination
Chapter 20: Locomotion and Movement
Chapter 21: Neural Control and Coordination
Chapter 22: Chemical Coordination and Integration

5. MATHEMATICS

Mathematics (041)

- Chapter 1: Sets.
- Chapter 2: Relations and Functions.
- Chapter 3: Trigonometric Functions.
- Chapter 5: Complex Numbers and Quadratic Equations.
- Chapter 6: Linear Inequalities.
- Chapter 7: Permutations and Combinations.
- Chapter 9: Sequences and Series (including sum of Infinite G.P.).
- Chapter 10: Straight Lines.
- Chapter 11: Conic Sections.
- Chapter 12: Introduction to Three Dimensional Geometry.
- Chapter 13: Limits and Derivatives.
- Chapter 15: Statistics.
- Chapter 16: Probability.

Applied Mathematics (241)

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| Unit I | Numbers, Quantification and Numerical Applications |
| Unit II | Algebra |
| Unit III | Mathematical and Logical Reasoning |
| Unit IV | Calculus |
| Unit V | Probability |
| Unit VI | Descriptive Statistics |
| Unit VII | Basics of Financial Mathematics |
| Unit VIII | Coordinate Geometry |

6. HISTORY

- Theme 2: Writing and City Life
- Theme 3: An Empire Across three continents
- Theme 4 : The Central Islamic lands
- Theme 6 : The Three Orders
- Theme 7: Changing Cultural traditions
- Theme 9 : The Industrial Revolution
- Theme 10 : Displacing Indigenous people
- Theme 11 : Paths to Modernisation

7. POLITICAL SCIENCE

- Part A: Indian Constitution at Work
 - Chapter 1: Constitution
 - Chapter 2: Election and Representation
 - Chapter 3: The Legislature
 - Chapter 4: The Executive
 - Chapter 5 The Judiciary
 - Chapter6: Local Governments
- Part B: Political Theory: An Introduction
 - Chapter 1: Importance of Political Theory
 - Chapter 2: Liberty /Freedom
 - Chapter 3 Equality
 - Chapter 4 Justice
 - Chapter 5 Rights
 - Chapter 6: Development

8. PSYCHOLOGY

Chapters:

- 1.What is Psychology?
2. Method of Enquiry in Psychology.
- 3 The Bases of Human Behaviour
4. Human Development
5. Sensory, Attentional and Perceptual Processes
6. Learning
7. Memory

9. ECONOMICS

Part A: Statistics for Economics

- Chapter 1: Introduction
- Chapter 2: Collection of data
- Chapter 3: Organisation of Data:
- Chapter 4: Presentation of Data
- Chapter 5: Measures of Central Tendency- Arithmetic mean
- Chapter 6: Measures of Central Tendency- median
- Chapter 7: Measures of Central Tendency- Mode
- Chapter 8: Measures of Dispersion
- Chapter 9: Correlation
- Chapter 10: Introduction to Index Numbers

Part B: Introductory Microeconomics

- Chapter 1: Introduction
- Chapter 2: Consumers Equilibrium.
- Chapter 3: Demand
- Chapter 4: Elasticity of Demand
- Chapter 5: Production Function
- Chapter 6: Cost
- Chapter 7: Revenue
- Chapter 8: Supply and Elasticity of Supply
- Chapter 9: Forms of Market - Perfect competition
- Chapter 10: Price Determination under Perfect Competition with simple applications.

10. GEOGRAPHY

- BOOK 1 FUNDAMENTAL OF PHYSICAL GEOGRAPHY
 - Ch.3 Interior of the earth
 - Ch.4 Distribution of oceans and continents
 - Ch.5 Minerals and Rocks
 - Ch.6 Geomorphic processes
 - Ch.8 Composite and structure of atmosphere
 - Ch 9 Solar radiation, heat balance , temperature
 - Ch.11 Water in atmosphere
 - Ch.14 Movements of ocean water
 - Ch.16 Biodiversity and conservation
 - MAP WORK FOR IDENTIFICATION
 - BOOK 2 INDIA PHYSICAL ENVIRONMENT
 - Ch.1 Locational setting
 - Ch.3 Drainage system
 - Ch.5 Natural vegetation
 - Ch.6 Soils
- (MAPWORK FOR MARKING)

11. LEGAL STUDIES

- 1 Theory and Nature of Political Institutions
- 2 Nature and Sources of Law
- 3 Historical Evolution of Indian Legal System
- 4 Civil and Criminal Courts and Process
- 5 Family Justice System

12. COMPUTER SCIENCE

- Chapter 1 : Computer System Overview
- Chapter 2: Data Representation
- Chapter 3: Boolean Logic
- Chapter 6: Getting Started With Python
- Chapter 7: Python Fundamentals
- Chapter 8: Data Handling
- Chapter 9: Flow Of Control
- Chapter 10: String Manipulation
- Chapter 11: List Manipulation
- Chapter 12: Tuples
- Chapter 13: Dictionaries
- Chapter 15: Cyber Safety

13. INFORMATION PRACTICES (IP)

- Chapter 1 : Computer System
- Chapter 2 : Data Representation
- Chapter 3 : Getting Started With Python
- Chapter 4 : Python Fundamentals
- Chapter 5 : Data Handling
- Chapter 6 : Flow Of Control
- Chapter 7 : List Manipulation
- Chapter 8 : Dictionaries
- Chapter 9 : Database Concepts
- Chapter 10 : Structured Query Language(Sql)
- Chapter 11 : Emerging Trends

14. PAINTING

- 1 Six limbs of Indian Painting Sadangas
 - 2 Fundamentals of Visual Arts
- Elements: Point, line, colour, tone, texture and space.
- Principles: Unity, harmony, balance, rhythm, emphasis and proportion
3. Dancing Girl (Mohenjo-daro)
 4. Lion Capital from Sarnath
 5. Introduction to Ajanta: Period, No of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique.
 6. Trimuti (Elephanta, Maharashtra)
 7. Introduction to Indian Bronzes, Method of casting (solid and hollow)
- Study and appreciation of Nataraj (Chola period Thanjavur)
8. Qutub Minar Delhi

15. PHYSICAL EDUCATION

- Unit I - Changing Trends & Career in Physical Education
- Unit II - Olympic Value Education

- Unit III - Physical Fitness, Wellness & Lifestyle
- Unit IV - Physical Education & Sports for CWSN (Children with Special Needs- Divyang)
- Unit V - Yoga
- Unit VI - Physical Activity & Leadership Training
- Unit VII - Test, Measurement & Evaluation
- Unit VIII - Fundamentals of Anatomy, Physiology Kinesiology in Sports
- Unit IX - Psychology & Sports
- Unit X - Training and Doping in Sports

16. BUSINESS STUDIES

- Chapter 01- Evolution and Fundamentals of Business (Business, trade and commerce)
- Chapter 02- Forms of Business Organisations (& formation of a company)
- Chapter 03- Private, Public and Global Enterprises.
- Chapter 04 - Business Services
- Chapter 05 - Emerging modes of business
- Chapter 06 - Social Responsibility of business and business ethics.
- Chapter 07 - Sources of business finance
- Chapter 08 - Small business and entrepreneurship development
- Chapter 09 - Internal trade
- Chapter 10 - International Business

17. ACCOUNTANCY

- Chapter 1. Introduction to accounting
- Chapter 2. Theory base of accounting
- Chapter 3. Recording of transactions -1
- Chapter 4. Recording of Transactions -2
- Chapter 5. Bank Reconciliation statements
- Chapter 6. Trial Balance and Rectification of errors
- Chapter 7. Depreciation , provision and Reserve
- Chapter 8. Bills of Exchange
- Chapter 9. Financial statements-1
- Chapter 10. Financial statements -2
- Chapter 11. Accounts from incomplete records
- Chapter 12. Application of computer in accounting
- Chapter 13. Computerised accounting system.

18. ENTREPRENEURSHIP

- Unit 1 Entrepreneurship: concept and function
- Unit 2 An entrepreneur
- Unit 3 Entrepreneurial journey
- Unit 4 Entrepreneurship as innovation and problem solving
- Unit 5 Concept of market
- Unit 6 Business finance and arithmetic
- Unit 7 Resource mobilization