

SYLLABUS FOR PRE BOARD 2 (CLASS 12)

SESSION-2023-24

| Subject | Class XII (Pre Board1) |
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| English | Unseen Comprehension Notice Formal and Informal Invitation and Reply Letter to the Editor Letter of Application Article Report The Last Lesson The Enemy Lost Spring The Rattrap Deep Water Indigo On The Face of It Journey to the End of the Earth My Mother at 66 Aunt Jennifer's Tigers A Thing of Beauty A Roadside Stand The Interview Poets and pancakes Going places Tiger King The Third Level Memories of Childhood Keeping Quiet |
| Mathematics | 1. Relations and Functions |

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| | <ol style="list-style-type: none"> 2. Inverse Trigonometric Functions 3. Matrices and Determinants 4. Continuity and Differentiability 5. Applications of Derivatives 6. Integrals (Indefinite and Definite) 7. Applications of the Integrals 8. Differential Equations 9. Vectors 10. Three - dimensional Geometry 11. Linear Programming 12. Probability |
| Applied Mathematics | <p>Unit-1: Numbers, quantification, and numerical applications</p> <p>Unit-2: Algebra</p> <p>Unit- 3: Calculus</p> <ol style="list-style-type: none"> 1. Differentiation and its applications 2. Integration and its applications 3. Differential equations and modelling <p>Unit- 4: Probability distributions</p> <p>Unit – 5: Inferential statistics</p> <p>Unit – 6: Time-based data and it's analysis by moving average and method of least square</p> <p>Unit - 7 : Financial mathematics</p> <p>Unit - 8: Linear Programming</p> |
| Physics | <ol style="list-style-type: none"> 1. ELECTROSTATICS I AND II 2. CURRENT ELECTRICITY 3. MAGNETIC EFFECT AND MAGNETISM 4. ELECTROMAGNETISM AND AC 5. EM WAVES 6. OPTICS 7. DUAL NATURE OF MATTER AND RADIATION 8. ATOMS AND NUCLEI |

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| | 9. SEMICONDUCTORS AND DEVICES |
| Chemistry | <ol style="list-style-type: none"> 1. Haloalkanes and haloarenes 2. Alcohol, phenols and ethers 3. Aldehydes, ketone and carboxylic acids 4. Organic compounds containing Nitrogen 5. Biomolecules 6. d and f block elements 7. Coordination compounds 8. Electrochemistry 9. Solutions 10. Chemical Kinetics |
| Biology | <ol style="list-style-type: none"> 1. Sexual Reproduction in flowering plants 2. Human reproduction 3. Reproductive Health 4. Principles of inheritance and Variation 5. Molecular Basis of inheritance 6. Evolution 7. Human health and diseases 8. Microbes in human welfare 9. Biotechnology 10. Applications of Biotechnology 11. Organisms and population 12. Ecosystem 13. Biodiversity and its Conservation |
| Computer Science | <ol style="list-style-type: none"> 1. Computational Thinking and Programming - 2 2. Computer Networks 3. Database Management |
| Economics | <ol style="list-style-type: none"> 1. Indian Economy on the Eve of Independence 2. Indian planning system (1950-90) 3. New Economic Policy 4. Human Capital formation |

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| | <ol style="list-style-type: none"> 5. Rural Development 6. Employment 7. Sustainable Development 8. GST and Demonetization 9. National Income Accounting 10. Money and Banking 11. National Income Determination 12. Government Budget 13. Balance of payments and Foreign Exchange 14. Comparative Economics Development (India and its Neighbors) |
| Accountancy | <ol style="list-style-type: none"> 1.Accounting for issue of Shares 2. Presentation of Share Capital in the Company's Balance Sheet..... 3.Accounting for issue of Debentures 4.Financial Statements of a Company (Balance Sheet and Statement of Profit and Loss (Major Headings and sub headings) 5.Analysis of Financial Statements (Theory Chapter) 6.Ratio Analysis 7.Comparative & Common size Statements 8.Partnership Fundamentals 9.Admission of a partner- 10. Retirement of a Partner 11. Death of a Partner 12. Dissolution of Partnership Firm..... 13. Change in Profit Sharing Ratio. 14. Cash Flow Statement.... |
| Business Studies | <p><u>From Book -1</u></p> <ol style="list-style-type: none"> 1. Nature & Characteristics of Management. 2. Principles of Management 3. Business Environment. 4. Planning; 5. Organising; |

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| | <p>6. Staffing;</p> <p>7. Controlling;</p> <p>8. Directing.</p> <p><u>From Book 2:</u></p> <p>9. Financial Management</p> <p>10. Financial Markets.</p> <p>11. Marketing.</p> <p>12. Consumer Protection Act, 2019.</p> |
| Entrepreneurship Development | <p>Unit 1 - Entrepreneurial Opportunity ,</p> <p>Unit 2 - Enterprise Planning , Unit 3 - Enterprise Marketing ,</p> <p>Unit 4 - Enterprise Growth Strategies ,</p> <p>Unit 5 - Business Arithmetic</p> <p>Unit 6 -</p> <p>Resource Mobilization</p> |
| Psychology | <p>I Variations in Psychological Attributes</p> <p>II Self and Personality</p> <p>III Meeting Life Challenges</p> <p>IV Psychological Disorders</p> <p>V Therapeutic Approaches</p> <p>VI Attitude and Social Cognition</p> <p>VII Social Influence and Group Processes</p> <p>Total</p> <p>COURSE CONTENT</p> <p>Unit I Variations in Psychological Attributes</p> <p>The topics in this unit are:</p> <ol style="list-style-type: none"> 1. Introduction 2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes 4. Intelligence 5. Psychometric Theories of Intelligence, Information Processing Theory: Planning, Attention-arousal and |

Simultaneous successive Model of Intelligence,
Triarchic Theory of Intelligence; Theory of Multiple
Intelligences.

6. Individual Differences in Intelligence

7. Culture and Intelligence

8. Emotional Intelligence

9. Special Abilities: Aptitude: Nature and Measurement

10. Creativity

Unit II Self and Personality

The topics in this unit are:

1. Introduction

2. Self and Personality

3. Concept of Self

4. Cognitive and Behavioural aspects of Self

5. Culture and Self

6. Concept of Personality

7. Major Approaches to the Study of Personality

☐ Type Approaches

☐ Trait Approaches

☐ Psychodynamic Approach and Post Freudian

Approaches

☐ Behavioural Approach

☐ Cultural Approach

☐ Humanistic Approach

8. Assessment of Personality

☐ Self-report Measures

☐ Projective Techniques

☐ Behavioural Analysis

Unit III Meeting Life Challenges

The topics in this unit are:

1. Introduction
2. Nature, Types and Sources of Stress
3. Effects of Stress on Psychological Functioning and Health

☒ Stress and Health

☒ General Adaptation Syndrome

☒ Stress and Immune System

☒ Lifestyle

4. Coping with Stress

☒ Stress Management Techniques

5. Promoting Positive Health and Well-being

☒ Life Skills

☒ Positive Health

Unit IV Psychological Disorders

The topics in this unit are:

1. Introduction
2. Concepts of Abnormality and Psychological Disorders
3. Classification of Psychological Disorders
4. Factors Underlying Abnormal Behaviour
5. Major Psychological Disorders

☒ Anxiety Disorders

☒ Obsessive-Compulsive and Related Disorders

☒ Trauma-and Stressor-Related Disorders

☒ Somatic Symptom and Related Disorders

☒ Dissociative Disorders

☒ Depressive Disorder

☒ Bipolar and Related Disorders

☒ Schizophrenia Spectrum and Other Psychotic Disorders

☒ Neurodevelopmental Disorders

☒ Disruptive, Impulse-Control and Conduct Disorders

☒ Feeding and Eating Disorders

☒ Substance Related and Addictive Disorders

Unit V Therapeutic Approaches

The topics in this unit are:

1. Nature and Process of psychotherapy

☒ Therapeutic relationship

2. Types of Therapies

☒ Behaviour Therapy

☒ Cognitive Therapy

☒ Humanistic-Existential Therapy

☒ Alternative Therapies

☒ Factors contributing to healing in Psychotherapy

☒ Ethics in Psychotherapy

3. Rehabilitation of the Mentally Ill

Unit VI Attitude and Social Cognition

The topics in this unit are:

1. Introduction

2. Explaining Social Behaviour

3. Nature and Components of Attitudes

4. Attitude Formation and Change

☒ Attitude Formation

☒ Attitude Change

☒ Attitude-Behaviour Relationship

5. Prejudice and Discrimination

6. Strategies for Handling Prejudice

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| | <p>Unit VII Social Influence and Group Processes</p> <p>The topics in this unit are:</p> <ol style="list-style-type: none"> 1. Introduction 2. Nature and Formation of Groups 3. Type of Groups 4. Influence of Group on Individual Behaviour <ul style="list-style-type: none"> ☑ Social Loafing ☑ Group Polarisation |
| Geography | <p>Theory</p> <p>Book 1 Fundamentals of Human Geography</p> <p>Unit 1 Human Geography</p> <p>Unit 2 The World Population, Distribution, Density and Growth, Human development.</p> <p>Unit 3 Primary, Secondary Tertiary and Quaternary Activities, Transport and Communication and International Trade.</p> <p>Book 2 India People and Economy</p> <p>Unit 1 Population: Distribution, Density, Growth and Composition.</p> <p>Unit 3 Land Resources and Agriculture, Water Resources, Mineral And Energy Resources Planning and Sustainable Development in Indian Context.</p> <p>Unit 4 Transport and Communication, International Trade</p> <p>Unit 5 Geographical Perspective on Selected Issues and Problems.</p> <p>Practical</p> <ol style="list-style-type: none"> 1.Data-its source and Compilation 2.Data Processing 3.Graphical representation of Data 4.Spatial Information Technology |
| Legal Studies | <p>Unit 1 : Judiciary</p> <p>Unit 2: Alternative Dispute Resolution in India</p> <p>Unit 3: A) Law of Contract</p> <p>B) Law of Torts</p> |

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| | <p>C) Law of Property</p> <p>D) Intellectual Property Law</p> <p>Unit 4: A) Law and Sustainable Development</p> <p>B) Forms of Legal Entities</p> <p>C) Criminal Laws in India</p> <p>Unit 5:</p> <p>A) Human Rights in India</p> <p>B) Human Rights Violations-Complaint Mechanism</p> <p>Unit 6: International Law</p> <p>Unit 7: Legal Profession in India</p> <p>Unit 8: Legal Services</p> |
| Sociology | <ol style="list-style-type: none"> 1. Cultural Change 2. Structural Change 3. Challenges of Cultural Diversity 4. Patterns of Social Inequality 5. Social Institutions 6. Demographic Structure of the Indian Society 7. Change and development in rural society 8. Change and development in industrial society 9. Social Movements |
| Political Science | <ol style="list-style-type: none"> 1. Challenges of Nation Building 2. Era of One Party Dominance 3. Politics of Planned Development 4. India's External Relations 5. Challenges to and Restoration of the Congress System 6. Crisis of Democratic Order 7. End of Bipolarity 8. Alternative Centres of Power 9. Contemporary South Asia 10. International Organisations 11. Security in the Contemporary World |

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| | <p>12. Environment and Natural Resources</p> <p>13. Regional Aspirations</p> <p>14. Recent developments</p> <p>15. Globalisation</p> |
| Financial Markets Management | <p>Chapter 1: Introduction to Indian Securities Market and Trading membership</p> <p>Chapter 2 Trading</p> <p>Chapter 3 Clearing Settlement and Legal framework</p> <p>Chapter 4 Financial Statements Analysis</p> <p>Chapter 5- Introduction to Derivatives</p> <p>Chapter 6 - Future and Option Contracts, Mechanism and Pricing.</p> <p>Employability skills</p> <p>Communication Skills</p> <p>ICT Skills</p> <p>Self-Management</p> <p>Entrepreneurial Skills</p> <p>Green skills</p> |
| Web Application | <p>Employability Skills</p> <p>Unit 1 : Communication Skills-IV</p> <p>Unit 2 : Self-Management Skills-IV</p> <p>Unit 3 : ICT Skills-IV</p> <p>Unit 4 : Entrepreneurial Skills-IV</p> <p>Unit 5 : Green Skills-IV</p> <p>Subject Specific Skills</p> <p>Unit 1: Movie Editing Tools</p> <p>Unit 2: Customizing and Embedding Multimedia Components in Web Pages</p> <p>Unit 3: Web Scripting – Java Script</p> <p>Unit 4: Work Integrated Learning IT– WA-II</p> |
| Food, Nutrition & Dietetics | <p>Unit 1- Clinical and therapeutic nutrition</p> <p>Unit2.-Diet in health and disease 1</p> |

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| | <p>Unit3- Diet in health and disease 2</p> <p>Unit 4 - Food safety and quality control</p> <p>Employability skill</p> <p>Communication skill</p> <p>Self-Manager skill</p> <p>ICT skill</p> <p>Entrepreneur skill</p> <p>Green skill</p> |
| <p>Mass Media Studies</p> | <p>Unit 1: Advertising</p> <p>Unit 2: Production - Film, TV, Print, Radio & Internet</p> <p>Unit 3: Convergence in Media</p> <p>Unit 4: Creative contribution of key people in - Film, TV, Print, Radio & Internet</p> <p>Media Theories + Basics Of Film, TV, Print, Radio & Internet.</p> <p>Employability skills - Entire book</p> |
| <p>Fashion Studies</p> | <p>Chapter 1(history of fashion)chapter 2(basic pattern development) chapter 3 (elements of fashion) (chapter 4(basic garment making)</p> <p>Employability Skill (Full book)</p> |