



Sir Padampat Singhania School, Kota

Session 2019 – 2020

Syllabus Plan

Pre-board - 1

Class – XII

English

Reading: Comprehension, Note Making and Summary **Writing:** Notice, Advertisement, Poster, Formal and Informal Invitations and replies, Formal Letter (Enquiry/Complaint/ Placing order and sending Replies/Letter to the Editor/Application for Job) Article, Speech, Report, Debate **Literature :** Book-**Flamingo** Ch.1 The Last Lesson, Ch.2 Lost Spring, Ch.3 Deep Water, Ch.4 The Rattrap, Ch.5 Indigo, Ch.6 Poets and Pancakes, Ch-7 The Interview, Ch-8 Going Places. **Poetry:** 1. My mother at Sixty-six, 2. An Elementary School Classroom in a Slum, 3. Keeping Quiet, 4. A thing of Beauty, 5. A Roadside Stand 6. Aunt Jenifer's Tigers. **Book-Vistas:** Ch.1 The Third Level, Ch.2 The Tiger King, Ch.3 Journey to the End of the Earth, Ch.4 The Enemy, Ch.5 Should Wizard Hit Mommy, Ch.8 Memories of Childhood.

Mathematics

- 1) Relations and Functions, 2) Inverse Trigonometry Functions, 3) Matrices, 4) Determinants,
- 5) Continuity and Differentiability, 6) Application of Integrals, 7) Integrals, 8) Application of Integrals
- 9) Differential Equations, 10) Vector Algebra, 11) Three Dimensional Geometry, 12) Linear Programming Problems, 13) Probability.

Hindustani Music Vocal

A: Theory

1. Definition of the following:
Alankar, Varna, Khatka, Murki, Grama, Murchhana, Alaap, Tana.
2. (a) Classification of Ragas
(b) Time theory of Ragas
3. Detail study of the following Treatises:
(a) Sangeet Ratnakar
4. Description of the Ragas prescribed for Class XII (Bhairav, Bageshree), Malkauns
5. Ability to recognize the Ragas from given passages of Swaras
6. Writing in notation the compositions of the prescribed Ragas.
7. Writing in Tala-notation, Thah, and Dugun of prescribed Talas. (Jhaptal , Rupak, Tilwara & Dhamar
8. The contribution of musicians:
(a) Ustad Abdul Karim Khan
(b) Pt. Krishna Rao Shankar Pandit
(c) Ustad Bade Ghulam Ali Khan

B. Practical Activities

1. (a) One Drut Khayal in Bhairav, Bageshri, and Malkauns with simple elaborations and a few tanas.
(b) One Vilambit Khayal with Alaps and Tanas in any two of the prescribed Ragas.
2. One Tarana and one Dhamar in any of the prescribed Ragas.
3. Recitation of Thekas of Jhaptala, Rupak, Tilwada and Dhamar with Dugun, keeping Tala with hand beats.
4. Ability to recognize the prescribed Ragas from the passages of Swaras rendered by the Examiner.
5. Knowledge of the structure and tuning of Tanpura.

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Economics

Economics – Section A: - Macro Economics – Unit 1 (National Income and Related Aggregates), Unit 2 (Money and Credit), Unit 3 (Determination of Income and Employment), Unit 4 (Govt. Budget and Economy), Unit 5 (Balance of Payment) 13)

Section B: - Indian Economy – Unit 6 (Development Experience of India during the period 1947-90) Economic Reforms since 1991

Unit 7 (Current challenges facing Indian Economy :-Poverty, Human capital formation, Rural Development, Employment. Unit 8 (Development Experience of India, China, and Pakistan: A comparative study.

Business-Studies

Part A: Principles and functions of Management

1. Nature and significance of Management.
2. Principles of Management.
3. Business Environment.
4. Planning
5. Organizing
6. Staffing
7. Directing
8. Controlling

Part B: Business Finance and Marketing

9. Financial Management
10. Financial Market
11. Marketing.
12. Consumer Protection

Accountancy

Part A

(Accounting for Not for Profit Organization, partnership & Companies)

Unit 1. Financial Statements of 'Not for Profit Organization'

Unit 2. Accounting for Partnership Firm:-

- An Introduction
- Change in profit Sharing ratio
- Admission of New Partners
- Retirement of Partner
- Death of Partner
- Dissolution of a partnership firm

Unit 3. Accounting for Share Capital

Accounting for Debentures

Redemption of Debenture & Redemption of Debenture

Part B

Unit 4. Financial Statement Analysis

Comparative Financial Statement

Common Size Financial Statement

Accounting Ratio

Unit 5. Cash flow Statement

Physical Education

Unit 1 (Planning in Sports), Unit 2 (Sports & Nutrition), Unit 3 (Yoga & Lifestyle), Unit 4 (Physical Education & Sports for CWSN), Unit 5 (Children & Women in Sports), Unit 6 (Test & Measurement in Sports), Unit 7 (Physiology & Injuries in Sports), Unit 8 (Biomechanics & Sports), Unit 9 (Psychology & Sports), Unit 10 (Training in Sports)

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BIOLOGY

1. Reproduction in organisms
2. Sexual Reproduction in flowering plants
3. Human Reproduction
4. Reproductive Health
5. Genetics and Evolution
6. Molecular Basis of Inheritance
7. Evolution
8. Human Health and Diseases
9. Strategies for Enhancement in Food Production
10. Microbes in Human Welfare
11. Biotechnology- Principles and Processes
12. Biotechnology and it's Application
13. Organisms and Population
14. Ecosystem
15. Biodiversity and it's Conservation
16. Environmental Issues

Information Practice

1. Working With Numpy
2. Python Pandas
3. Plotting with Pyplot I – Bar Graphics and Scatter Plots
5. Introduction to Software Engineering
6. Methods and Practical aspects of Software engineering (upto page 181)
7. MySql SQL Revision Tour
8. More on SQL
11. Society, Law and ethics

Political Science

BOOK 1

- 1 Cold War Era
- 2 The End of bipolarity
- 3 US Hegemony in World Politics
- 4 Alternative centres of Power
- 5 Contemporary South Asia
- 6 International Organizations
- 7 Security in Contemporary World

BOOK 2

- 1 Challenges of Nation-Building
- 2 Era of One-Party Dominance
- 3 Politics of Planned Development
- 4 India's External Relations
- 5 Challenges to the Congress System
- 6 Crisis of the Democratic order
- 7 Rise of Popular Movements

Painting

Theory

- Ch-1 -- Introduction to the Bengal School of Painting.
- Ch-2 -- Study of the painting of the Bengal School.
- Ch-3 -- Contribution of Indian Artists in the struggle for National Freedom movement.
- Ch-4 -- Evolution of the Indian National Flag.

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- Ch-5 -- Modern Trends in Indian Art.
- Ch-6 -- Paintings of the contemporary (Modern) Indian Artists.
- Ch-7 -- Sculptures of the Contemporary (Modern) Indian Artists.
- Ch-8 -- Sculptures of the contemporary (Modern) Indian Artists.

Chemistry

Unit 1 (Solutions), Unit 2 (Electrochemistry), Unit 3 (Chemical Kinetics), Unit 4 (Surface Chemistry)
Unit 5 (General Principles and Processes of Isolation of Element), Unit 6 (p-Block Elements), Unit 7 (d- and f-Block Elements), Unit 8 (Coordination Compounds), Unit 9 (Haloalkanes and Haloarenes), Unit 10 (Alcohols, Phenols and Ethers), Unit 11 (Aldehydes, Ketones and Carboxylic Acids), Unit 12 (Organic Compounds containing Nitrogen), Unit 13 (Biomolecules), Unit 14 (Polymers), Unit 15 (Chemistry in Everyday Life)

Geography

Book 1. (Fundamentals of Human Geography)

1. Human Geography : Nature and Scope
2. The World Population
3. Population Composition
4. Human Development
5. Primary Activities
6. Secondary Activities
7. Tertiary and Quaternary Activities
8. Transport and Communication
9. International Trade
10. Human Settlements

- All maps of world.

Book 2. (India : People and Economy)

1. Population: Distribution, Density, Growth and Composition
2. Migration : Types, Causes and Consequences
3. Human Development
4. Human Settlement
5. Land Resources and Agriculture
6. Water Resources
7. Minerals and Energy Resources
8. Manufacturing industries

- All maps of India.

All maps of world.

History

Themes in Indian History Part - I

- Unit 1: The Story of the First-Cities: Harappan Archaeology
- Unit 2: Political and Economic History: How Inscriptions tell a story
- Unit 3: Social Histories: using the Mahabharata
- Unit 4: A History of Buddhism: Sanchi Stupa

Themes in Indian History Part-II

- Unit 5: Medieval Society through Travellers' Accounts
- Unit 6: Religious Histories: The Bhakti-Sufi Tradition
- Unit 7: New Architecture: Hampi
- Unit 8: Agrarian Relations: The Ain-i-Akbari
- Unit 9: The Mughal Court: Reconstructing Histories through Chronicles

Themes in Indian History Part-III

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Computer

Unit 1: Programming and Computational Thinking – [PCT2]

- Basics of python
- functions
- file handling
- Recursion
- Data Visualization
- Data Structures

Unit 2: Computer Networks

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- Structure of a network
- Network devices
- Network Stack
- Basic network tools
- Application layer

Unit 3: Data Management

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- Django basics
- SQL commands: aggregation Function

Unit 4 : Society Law and Ethics

10

- Ethical issues
- Privacy
- Online frauds
- Cybercrime
- Computer forensic
- E waste management

Identity Theft

Physics

1. Electric charge and field
2. Electrostatic potential and capacitance
3. Current Electricity
4. Moving charges and magnetism
5. Magnetism and matter
6. Electromagnetic induction
7. Alternating current
8. Electromagnetic waves
9. Ray optics and optical instruments
10. Wave optics
11. Dual nature of matter and radiation
12. Atoms
13. Nuclei
14. Semiconductors, electronics and devices (till prescribed syllabus from CBSE).

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Principal



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SYLLABUS PRE BOARD EXAMINATION 1

Class – X

Subject	Syllabus
English	Reading: Comprehension, Writing: Formal Letter (Complaint / Inquiry/ Placing Order / Letter to Editor), Article, Story, Grammar : Error, Omission, Gap Filling, Sentence Rearrangement, Literature : Book-First Flight, Prose: Ch. 1 A Letter to God, Ch. 2 Nelson Mandela: Long Walk to Freedom, Ch. 3 Two Stories About Flying, Ch. 4 From the Diary of Anne Frank, Ch. 5 The Hundred Dresses I, Ch. 6 The Hundred Dresses II, Ch. 7 Glimpses of India, Ch. 8 Mijbil the Otter, Ch. 9 Madam Rides the Bus, Poetry: Dust of Snow, Fire and Ice, A Tiger in the Zoo, How to Tell Wild Animals, The Ball Poem, Amanda, Animals, The Trees, Fog, Book – Footprints Without Feet: Ch. 1 (A Triumph of Surgery), Ch. 2 (The Thief's story), Ch. 3 (The Midnight Visitor), Ch. 4(A Question of Trust), Ch. 5 (Footprints without feet), Ch. 6 (The Making of a Scientist), Ch. 7 (The Necklace), Ch. 8 (The Hack Driver), Ch. 9 (Bholi), Ch. 10 (The Book that saved the Earth)
Hindi	स्पर्श – गद्य : पाठ 1– बड़े भाई साहब (गद्य), पाठ 2– डायरी का एक पन्ना, पाठ 3– ततौरा-वामीरो कथा, पाठ 4– अब कहाँ दूसरों के दुख में दुखी होने वाले, पाठ 5 – पतझड़ में दूटी पत्तियाँ, पाठ– 6 कारतूस, पद्य : पाठ 1– कबीर (पद्य), पाठ 2– मीरा के पद, पाठ 3 – पर्वत प्रदेश में पावस, पाठ 4– तोप, पाठ 5– बिहारी के दोहे, पाठ 6– मनुष्यता, पाठ 7– कर चले हम फिदा, पाठ 8– आत्मत्राण, संचयन – पाठ 1– हरिहर काका, पाठ–2 सपनों के से दिन, पाठ–3 टोपी शुक्ला, व्याकरण – 1.मुहावरे, 2. वाक्य शुद्धिकरण, 3. वाक्य रूपांतरण, 4. समास, 5. शब्द एवं पद में अंतर, लेखन : 1. संवाद लेखन, 2.विज्ञापन, 3. पत्र (औपचारिक), 4. सूचना लेखन, 5. अनुच्छेद
Math	1) Real Number, 2) Polynomials, 3) Pair of Linear Equation in two variable, 4) Quadratic Equation, 5) Arithmetic Progressions, 6) Triangles 7) Coordinate Geometry, 8) Introduction to Trigonometry 9) Some applications of Trigonometry, 10) Circles, 11) Constructions, 12) Areas related to Circles, 13) Probability
Science	Ch.1 Chemical Reactions and Equations, Ch.2 Acids, Bases and Salts, Ch.3 Metals and Non-Metals, Ch.4 Carbon and its compounds, Ch.6 Life Processes, Ch.7 Control and Coordination, Ch.8 How do organisms Reproduce? Ch.9 Heredity and Evolution, Ch.10 Light-Reflection and Refraction, Ch.12 Electricity Ch.13 Magnetic effects of electric current, Ch.14 Sources of Energy, Ch.15 Our Environment.
S.St.	History : 1. The rise of Nationalism in Europe, 2. Nationalism in India, 5. Print Culture and the Modern World., Geography: 1. Resources and Development, 4. Agriculture, 5. Minerals and Energy Resources, 6. Manufacturing Industries, 7. Lifelines of National Economy, Political Science: 1. Power sharing, 2. Federalism, 3. Gender Religion and Caste, 4. Political Parties, 5. Outcomes of Democracy, Economics : 1. Development, 2. Sectors of Indian Economy, 3. Money and Credit
Computer	Ch. 1 Internet Basics, Ch. 2 Internet Services, Ch. 3 Introduction to Databases, Ch. 4 Working with Tables, Ch. 5 Query in MS Access, Ch. 6 Understanding HTML, Ch. 7 Using List and Images, Ch.8 Links, Anchors and Tables in HTML


Principal