



Sir Padampat Singhania School, Kota

Session 2019 – 2020

Syllabus Plan

MID TERM

Class – XI

English

Reading: Comprehension(Poetry/ Prose), Note Making **Writing:** Notice , Advertisement, Formal Letter- (Editor, Job Application, Complaint), Speech, Article **Grammar:** Error Correction, Editing, Reordering, Gap Filling, **Literature:** Hornbill- Ch 1The Portrait of a Lady, Ch 2 We're not Afraid to die Ch 3 Discovering Tut, Ch 4 The Browning Version, Snapshots: Ch 1 Summer of beautiful white horse, Ch 2 The Address, Ch 3 Ranga's Marriage, Ch 4 Albert Einstein at School, **Poem** : A Photograph, Voice of the Rain, The Laburnum Top

English Elective

Woven Words – The Lament, The Peacock, Let me not to the Marriage of True Minds, My Watch, A pair of Mustachios., **Drama** – Introduction, Chapter 1, **Fiction** – Chapter 1, **Writing** – Essay, Article, Speech, Report, **Reading** – Unseen Passage / Poem

Mathematics

Chapter 1- Sets, Chapter 2- Relation and function, Chapter 3- Trigonometry Functions, Chapter 4- Principle of Mathematical induction, Chapter 5- Complex Numbers and Quadratic Equations, Chapter 6- Linear Inequalities, Chapter 7- Permutation and Combinations

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 6- Anatomy of flowering plants, Chapter 7- Structural organisation in Animals, Chapter 8- Cell: The unit of life

Chemistry

Chapter 1- Some basic concepts of chemistry, Chapter 2- Structure of Atom, Chapter 3- Classification of elements and periodicity in properties, Chapter 4- Chemical Bonding and Molecular Structure, Chapter 5- States of matter, Chapter 6- Thermodynamics, Chapter 8- Redox.

Physics

Chapter 2- Units and measurement, Chapter 3- Motion in a straight line, Chapter 4- Motion in a plane, Chapter 5- Laws of motion, Chapter 6- Work, energy and power.

Economics

Section A: Micro Economic : Unit1- Introduction, Unit2- Consumer's behaviour and demand.

Section B: Statistics: Unit1- Introduction, Unit2- Collection organisation and presentation of data, Unit3- Statistical tools and interpretation (Mean, mode, median, quartiles)

Accountancy

Ch.- Meaning and objectives of Accounting, Ch.- Basic Accounting Terms, Ch.- Accounting Principle, Ch.- Accounting equation, Ch.- Double entry system, Ch.- Source documents of accountancy, Ch.- Journal, Ch.- GST, Ch.- Cash Book, Ch.- Subsidiary Book, Ch.- Ledger, Ch.- Trial balance and errors, Ch.- Bank reconciliation statement, Ch.- Depreciation

Business Studies

Ch1- History of trade and commerce, Ch2- Forms of business organisations, Ch3- Private, public and global enterprises, Ch4- Business Services, Ch5- Emerging modes of Business.

Fine Art

- 1) Introduction: i) Art- An Introduction, ii) Art and the Culture, iii) Origin and Development of Different Forms of Fine Arts in India
2) Unit-1(Prehistoric Rock Paintings)

Physical Education

Unit - I : Changing Trends & Career in Physical Education, Unit - II : Olympic Movement, Unit – III : Physical Fitness, Wellness & Lifestyle, Unit – IV : Physical Education & Sports for Differently Abled, Unit – V: Yoga.

Hindustani Classical Music

Theory - Brief of the following- Naad, Swar, Saptak, thaat, Laya, Tala, **Brief study of the following-** Margi-Desi, Nibaddh- Anibaddha gan, Raga, **Brief history of the following-** Dhrupad, Khayal, Tarana, **Brief study of the various gharanas, Life sketch and contribution of "Tansen", Discription of prescribed Talas along with the Tala notation-** Thah, Dugun, Teentala, Chautala, Ektala, Kaharwa, **Critical study of prescribed ragas with Recognizing Ragas from of Swars and elaboretion them.**

Practical – One Dhrut Khyal – Raag Vihag, Bhimpalasi Jounpuri, One Vilambit Khyal with alap Taan

History

Section 1: Early Societies : Theme 1: From the Beginning of Time, Theme 2: Writing and City Life

Section 2: Empires : Theme 3: An Empire across Three Continents

Section 4: Towards Modernization: Theme 9: The Industrial Revolution, Theme 10: Displacing Indigenous People

Political Science

Book 1 : 1. Constitution Why & How , 2. Rights in the Indian Constitution , 3. Election & Representation, 4. Executive , **Book 2:** 1. Freedom, 2. Equality, 3. Social Justice

Geography

Part A: Fundamentals of Physical Geography : Unit-1: Geography as a Discipline : Geography as an integrating discipline, as a science of spatial attributes, Branches of Geography; Physical Geography and Human Geography, Scope and Career Options, **Unit-2: The Earth :** Origin and evolution of the earth; Interior of the earth, Wegener's continental drift theory and plate tectonics, Earthquakes and volcanoes: causes, types and effects, **Unit-3: Landforms :** Rocks: major types of rocks and their characteristics, **Unit-3: Climate :** Composition and structure of Atmosphere, **Unit 5: Hydrosphere :** Basics of Oceanography, Oceans - distribution of temperature and salinity, Movements of ocean water-waves, tides and currents; submarine reliefs, Ocean resources and pollution.

Computer Science

Ch. 1: Getting started with Python, Ch. 2: Python Fundamentals, Ch. 3: Data Handling, Ch. 4: Conditional and Iterative Statements, Ch. 5: String Manipulation, Ch. 6: Debugging Programs, Ch. 7: List Manipulation, Ch. 12: Computer System Overview

Informatics Practices

Basic Computer Organisation, Data Representation – Basic Concepts, Getting Started with Python, Python Fundamentals, Data Handling, Conditional and Iterative Statements



Sir Padampat Singhania School, Kota

Session 2019 – 2020

Syllabus Plan

Half Yearly Examination

Class – XII

English

Reading: Comprehension (Prose/Poetry), Note Making, **Writing:** Notice, Poster, Advertisement, Invitation, Replies to Invitation, Formal Letter, Article, Speech, **Literature** : Flamingo Ch 1 The Last Lesson, Ch 2 Lost Spring, Ch 3 Deep Water, Ch 4 Rattrap **Poetry** • My Mother at sixty six, • An Elementary School Classroom in a Slum, • Keeping Quiet, • A Thing of Beauty, Vistas: Ch 1 The Third Level, Ch 2 The Tiger King, Ch 4 The Enemy, Ch 5 Should Wizard Hit Mommy

Mathematics

Chapter 1- Relations and functions, Chapter 2- Inverse Trigonometric functions, Chapter 3- Matrices, Chapter 4- Determinants, Chapter 5- Continuity and Differentiability, Chapter 6- Applications of Derivatives.

Biology

Chapter 1- Reproduction in organisms, Chapter 2- Sexual reproduction in flowering plants, Chapter 3- Human Reproduction, Chapter 4- Reproductive Health, Chapter 5- Principles of inheritance and variations, Chapter 6- Molecular basis of inheritance, Chapter 7- Evolution, Chapter 8- Human health and diseases.

Chemistry

Chapter 1- The solid state, Chapter 2- Solutions, Chapter 3- Electrochemistry, Chapter 4- Chemical kinetics, Chapter 5- Surface Chemistry, Chapter 6- General principles and processes of isolation of elements, Chapter 7- The P-Block elements, Chapter 8- The d- and f-Block elements.

Physics

Chapter 1- Electric charge and fields, Chapter 2- Electrostatic potential and capacitance, Chapter 3- Current electricity, Chapter 4- Moving charges and magnetism, Chapter 5- Magnetism and matter, Chapter 6- Electromagnetic induction, Chapter 7- Alternating current, Chapter 8- Electromagnetic waves.

Economics

Section A: Macro Economics

Unit1- National Income and related aggregates, Unit2- Money and Banking, Unit3- Determination of income employment and output, Unit4- Government budget and the economy, Unit5- Balance of payment.

Accountancy

Section A: Accounting for Partnership, Change in profit sharing ratio, Admission of new partner, retirement and death of partner company account-issue of share, forfeited and reissue of share issue of Debenture, Redemption & Debenture.

Section B: Financial statement of company, comparative statement, common size statement.

Business Studies

Ch1-Nature and significance of management, Ch2- Principle of management, Ch3- Business environment, Ch4- Planning, Ch5- Organising, Ch6- Staffing, Ch7- Directing, Ch8- Controlling.

Fine Art

1) The Origin and Development of Miniature Painting in India, 2) The Rajasthani School of Miniature Painting, 3) The Pahari School of Miniature Painting, 4) The Mughal School of Miniature Painting, 5) The Deccan School of Miniature Painting, 6) Introduction to the Bengal School of Painting, 7) Study of the Paintings of the Bengal School

Physical Education

Unit I – Planning in Sports, Unit II – Sports & Nutrition, Unit III – Yoga & Lifestyle, Unit IV – Physical Education & Sports for Differently-Abled, Unit V – Children & Sports.

Hindustani Music Vocal

A: Theory

1. Definition of the following:
Alankar, Varna, Khatka, Murki, Grama, Murchhana, Alaap, Tana.
2. Time theory of Ragas
3. Detail study of the following Treatises:
(a) Sangeet Ratnakar
4. Description of the Ragas prescribed for Class XII (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
8. The contribution of musicians:
(a) Ustad Abdul Karim Khan
(b) Ustad Faiyaz Khan

B. Practical Activities

1. (a) One Drut Khayal in 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 in any of the prescribed Ragas.
3. Recitation of Thekas of Jhaptala, Rupak taal 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

History

Part – 1: Theme 1: Bricks, Beads and Bones, Theme 2: Kings, Farmers and Towns, Theme 3: Kingship, Caste and Class, Theme 4: Thinkers, Beliefs and Buildings

Part – 2 : Theme 5: Through the Eyes of the Travellers, Theme 6: Bhakti and Sufi Traditions, Theme 7: An Imperial Capital: Vijayanagar

Political Science

Book 1. Contemporary World – Politics : 1. Cold War Era, 2. The End of bipolarity, 3. US Hegemony in World Politics, 4. Alternative centres of Power , 5. Contemporary South Asia

Book 2. Politics in India since Independence : 1. Challenges of Nation – building , 2. Era of One-Party dominance , 3. Politics of planned development, 4. India's external relations

Geography

A. Fundamentals of Human Geography : Unit 1: Human Geography: Nature and Scope, Unit 2: People
Unit 3: Human Activities , Unit 4: Transport, Communication & Trade , Unit 5: Human settlements

Map Work : Map Work on identification of features based on 1-5 units on the outline/Physical/Political map of World.

Computer Science

Python Revision Tour I, Python Revision Tour II, Working with Functions, Using Python Libraries, File Handling, Recursion

Informatics Practices

Working With Numpy, Python Pandas, Plotting with Pyplot I – Bar Graphics and Scatter Plots, Plotting with Pyplot II – Histogram, Revision Tour of SQL, Cyber Ethics