Syllabus 2024-2025
English Core (301)
Class XI

Term 1	Term 2
Hornbill : 1) The Portrait of a Lady (Prose) 2) A Photograph (Poem) 3) "We're Not Afraid to Die... if we can be together 4) Discovering Tut: the Saga Continues 5) The Laburnum Top (Poem) 6) The Voice of the Rain (Poem) **Snapshots:** 1) The Summer of the Beautiful White Horse (Prose) 2) The Address (Prose) 3) The Tale of Melon City **Writing and Grammar :** 1) Poster 2) Speech 3) Debate 4) Questions on Gap filling (Tenses) 5) Questions on re-ordering **Reading and comprehension** : 1) Note-making	**Hornbill:** 1) Childhood (Poem) 2) The Adventure (Prose) 3) Silk Road (Prose) 4) Father to son (Poem) **Snapshot :** 1) Mother's Day (Play) 2) Birth (Prose) **Writing and Grammar :** 1) Advertisements 2) Questions on Gap filling (Clauses) 3) Questions on transformation of sentences

वार्षिक पाठ्यक्रम 2024-2025

हिन्दी

कक्षा 11

TERM	पाठ का नाम
TERM 01	
	01 नमक का दरोग़ा
	02 मियाँ नसीरुद्दीन
	03 अप्पू के साथ ढाई साल
	04 विदाई संभाषण
काव्य खण्ड	01 कबीर पद संख्या -
	02 मीरा पद संख्या -
	03 भवानी प्रसाद मिश्र
	04 त्रिलोचल
	05 दुष्यंत कुमार
वितान	01 भारतीय गायिकाओं में बेजोड़ लता मंगेशकर
	02 राजस्थान की रजत बूँदें
	औपचारिक पत्र, प्रतिवेदन, प्रेस विज्ञप्ति, श्रवण वाचन कार्य, परियोजना कार्य, अपठित पद्यांश तथा गद्यांश, अभिव्यक्ति तथा मध्यम पाठ 1,2,9,10,14,15,16 पर आधारित प्रश्न, स्ववृत्त, लेखन, रोज़गार संबंधी आवेदन पत्र, संदर्भ ग्रन्थों की उपयोगिता विधि
TERM 02	
	01 गलता लोहा, 02 रजनी, 03 जामुन का पेड़, 04 भारत माता
	अक्क महादेवी, पाश, निर्मला पुतुल
	आलोआँधारि, जनसंचार, कार्यालय हिन्दी, डायरी लेखन, कथा पटकथा लेखन
	04 भारत माता

SYLLABUS 2024-25
MATHEMATICS
Class -XI

Term I

1. Sets
2. Relations and Functions
3. Trigonometric functions
4. Complex numbers and Quadratic equations
5. Permutations and Combinations
6. Sequence and series
7. Statistics

Term II

1. Linear inequations
2. Binomial theorem
3. Straight line and conic sections
4. 3D
5. Limits and derivatives
6. Probability

SYLLABUS

CLASS – XI (2024 – 2025)

SUB – PHYSICS

TERM – 1

(APRIL – SEPTEMBER)

CHAPTER 2 : UNIT AND MEASUREMENTS- April

CHAPTER 3 : MOTION IN STRAIGHT LINE- April

CHAPTER 4 : MOTION IN PLANE- May

CHAPTER 5 : LAWS OF MOTION- July

CHAPTER 6 : WORK , ENERGY , POWER- July

CHAPTER 7 : SYSTEM OF PARTICLES AND ROTATIONAL MOTION- August

September : Revision 1st term exam

TERM – 2

(OCTOBER – JANUARY)

CHAPTER 8 : GRAVITATION- October

CHAPTER 9 : MECHANICAL PROPERTIES OF SOLIDS- October

CHAPTER 10 : MECHANICAL PROPERTIES OF FLUIDS- November

CHAPTER 11 : THERMAL PROPERTIES OF MATTER- November

CHAPTER 12 : THERMODYNAMICS- December

CHAPTER 13 : KINETIC THEORY- December

CHAPTER 14 : OSCILLATIONS- January

CHAPTER 15 : WAVES- January

NOTE :

CHAPTER 2,3,4,5 (23 MARKS)

CHAPTER 6 , 7, 8 (17 MARKS)

CHAPTER 9 ,10 ,11,12,13 (20 MARKS)

CHAPTER 14 ,15 (10 MARKS)

TOTAL MARKS : 70

CHEMISTRY (043)

SYLLABUS

CLASS XI (2024-25)

TERM 1

1. Some basic concepts of chemistry
2. Structure of Atom
3. Classification of elements and periodicity in properties
4. Chemical bonding and molecular structure
5. Chemical thermodynamics

TERM 2

1. Equilibrium
2. Redox reactions
3. Organic chemistry: Some basic principles and techniques
4. Hydrocarbons

Biology Syllabus

2024-25

Class – 11

Term - 1

Unit-I Diversity of Living Organisms

Chapter-1: The Living World

Biodiversity; Need for classification; three domains of life; taxonomy and systematics; conceptof species and taxonomical hierarchy; binomial nomenclature

Chapter-2: Biological Classification

Five kingdom classification; Salient features and classification of Monera, Protista and Fungiinto major groups; Lichens, Viruses and Viroids.

Chapter-3: Plant Kingdom

Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae (**Topics excluded –** Angiosperms, Plant Life Cycle and Alternation of Generations)

Chapter-4: Animal Kingdom

Salient features and classification of animals, non-chordates up to phyla level and chordates upto class level (salient features and at a few examples of each category).

Unit-II Structural Organization in Plants and Animals

Chapter-5: Morphology of Flowering Plants

Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruitand seed. Description of family Solanaceae

Chapter-6: Anatomy of Flowering Plants

Anatomy and functions of tissue systems in dicots and monocots.

Chapter-7: Structural Organisation in Animals

Morphology, Anatomy and functions of different systems (digestive, circulatory,respiratory,nervous andreproductive) of frog.

Unit-III Cell: Structure and Function

Chapter-8: Cell-The Unit of Life

Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plantcell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles,mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles(ultrastructure and function); nucleus.

Chapter-9: Biomolecules

Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action. (**Topicsexcluded:** Nature of Bond Linking Monomers in a Polymer, Dynamic State of BodyConstituents Concept of Metabolism, Metabolic Basis of Living, The Living State)

Chapter-10: Cell Cycle and Cell Division

Cell cycle, mitosis, meiosis and their significance

Term- 2

Unit-IV Plant Physiology

Chapter-13: Photosynthesis in Higher Plants

Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis;cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.

Chapter-14: Respiration in Plants

Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle andelectron transport system (aerobic); energy relations - number of ATP molecules generated;amphibolic pathways; respiratory quotient.

Chapter-15: Plant - Growth and Development

Seed germination; phases of plant growth and plant growth rate; conditions of growth;

differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.

Unit-V Human Physiology

Chapter-17: Breathing and Exchange of Gases

Respiratory organs in animals (recall only); Respiratory system in humans; mechanism ofbreathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema,occupationalrespiratory disorders.

Chapter-18: Body Fluids and Circulation

Composition of blood, blood groups, coagulation of blood; composition of lymph and itsfunction; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.

Chapter-19: Excretory Products and their Elimination

Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system –structure and function; urine formation, osmoregulation; regulation of kidney function - renin -angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney,kidney transplant.

Chapter-20: Locomotion and Movement

Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and musclecontraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.

Chapter-21: Neural Control and Coordination

Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervoussystem and visceral nervous system; generation and conduction of nerve impulse

Chapter-22: Chemical Coordination and Integration

Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal,thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison'sdisease.

Economics (030) - 2024-25
Class : XI
Term I

MicroEconomics :

April — **Unit 1: Introduction**

1. Introduction

April — **Unit 2: Consumer's Equilibrium And Demand**

2. Consumer's Equilibrium
3. Demand
4. Elasticity of Demand

May — **Unit 3: Producer Behaviour And Supply**

5. Production Function
6. Cost
7. Revenue
8. Producer's Equilibrium

Statistics

July — **Unit 1: Introduction**

1. Economics : An Introduction
2. Meaning, Scope and Importance of Statistics

August — **Unit 2: Collection, Organisation And Presentation of Data**

3. Collection of Data
4. Organisation of Data
5. Tabular Presentation
6. Diagrammatic Presentation
7. Graphic Presentation

September — **Revision & Half yearly examination**

Term II

MicroEconomics :

October — **Unit 3 : Producer Behaviour And Supply**

Supply

October — **Unit 4: Forms of Market And Price Determination Under Perfect Competition with simple Applications**

Main Market Forms

Price Determination with Simple Applications

Statistics

Unit 3: Statistical Tools And Interpretation

December — Measures of Central Tendency—Arithmetic Mean

7. Measures of Central Tendency—Median and Mode
8. Measures of Dispersion

January — Measures of Correlation

9. Index Numbers

February — **Revision & Annual examination**

SYLLABUS. SESSION-2024-25

CLASS XI

SUB: ACCOUNTANCY

TERM - I (JULY - SEPTEMBER)

1. Introduction to Accounting
2. Theory Base of Accounting
3. Recording of Transactions-I
4. Recording of transaction -II
5. Bank Reconciliation Statement
6. Trial Balance &Rectification of Errors

TERM - II (OCTOBER-FEBRUARY)

1. Depreciation, Provision and Reserves
2. Financial Statements of Sole Proprietorship
3. Incomplete Records
4. Project Work

BUSINESS STUDIES (Code no. 054)
CLASS XI
SYLLABUS 2024-25

Theory : 80 marks

Project : 20 marks

TERM 1

Units	
Part A	**Foundations of Business**
1.	Nature and Purpose of Business
2.	Forms of Business Organizations
3.	Public, Private and Global Enterprise
4.	Business Services
5.	Emerging Modes of Business
6.	Social Responsibility of Business and Business Ethics

TERM 2

Units	
Part B	**Finance and Trade**
7.	Sources of Business Finance
8.	Small Business
9.	Internal Trade
10.	International Business

Part C - PROJECT WORK

P A -1

CLASS-XI

SUB- YOGA

SYLLABUS

UNIT -1

Introduction to yoga and yogic practices-II

Communication skills-IV

SHRIKANT YADAV

03/05/2024

2024-2025

SYLLABUS

CLASS - XII

SUB.- COMPUTER SCIENCE

		Ch. No.	Name of the Chapters
TERM-I	April - September	April	Python Revision Tour – I
		April	Python Revision Tour – II
		May	Working with Functions
		July	Using Python Libraries
		July	File Handling
		August	*Recursion
		August	*Idea of algorithmic Efficiency
		August	Computer Networs – I
		September	Relational Databases simple Queries in SQL
September			*Revision + 1st Term Exam*
TERM-II	Oct.-Dec.	Oct	Data Structures – I Linear Lists
		Oct	Data Structures–II Stack & Queue
		Oct	Compter Networks –II
		Nov	Table Creation & Data Manipulation Grouping Records, Joins in SQL
		Nov	Interfacing Python with My Sql
December			*Revision + 1st Pre Board Exam*
January			*2nd Pre – Board*

1) PRACTICAL REPORT: Based on cycles conatining 20+5 Python/SQL Questions

2) PROJECT REPORT : Any Application Software using Language Python)

Like: Indian Railway, Banking system, Telephone Directiries etc)

Prescribed Book:

COMPUTER SCIENCE PYTHON, **Sumita Arora**

*Given in Book but not in Syllabus of 2024