

# KALPANA CHAWLA VIDYAPEETH

Syllabus Session (2021-22)

Subject: Mathematics

Class – XI

Months	Particulars
April	Ch-1: Sets, Ch-2: Relations and Functions
May	Ch-3: Trigonometric Functions, Ch-4: Principle of Mathematical Induction
	<b>Unit Test- Ch-1 and 2</b>
June	<b>Summer Vacations</b>
July	Ch-5: Complex Number and Quadratic Equations Ch-6: Linear Inequality
August	Ch-7: Permutations and Combinations Ch-8: Binomial Theorem
	<b>Unit Test- Ch-5, 6 and 7</b>
Sept.	Ch-9: Sequence and Series, Ch-10: Straight Lines
	<b>Revision &amp; Half Yearly Exam</b>
October	Ch-11: Conic Sections, Ch-12: Introduction to 3D Geometry, Ch-13: Reasoning (Mathematics)
November	Ch-14: Limits and Derivatives, Ch-15: Statistics
	<b>Unit Test- Ch-9, 10 and 11</b>
December	Ch-16: Probability
	<b>Revision &amp; December Exam</b>
January	<b>Revision &amp; Sample Papers</b>
February	<b>Pre-Board Exam</b>
March	<b>Annual Exam</b>

## Subject: Physics

Months	Particulars
April	Ch-1: Physical World, Ch-2: Units and measurement
	<b>Exp-1:</b> Introduction to Vernier Caliper
May	Ch-3: Motion in Straight Line
	<b>Exp-2:</b> To determine the diameter of a using by using screw gauge
	<b>Unit Test: (20 Marks)</b>
June	<b>Summer Vacations</b>
July	Ch-4: Motion in Plane, Ch-5: Forces and Laws of Motion
	<b>Exp-3:</b> To determine the a spherical ball by using vernier caliper
August	Ch-6: Work Energy and Power
	Ch-7: System of Particles and Rotational Motion
	<b>Unit Test: (40 Marks)</b>
Sept.	<b>Revision &amp; Half Yearly Exam</b>
October	Ch-8: Gravitation, Ch-9: Mechanical Properties of Solid
	<b>Experiment:</b> To determine the radius a spherical surface using spheriometer.
November	Ch-11: Thermal Properties of Matter,
	Ch-12: Thermodynamics, Ch-13: Kinetic Theory of Gases
	<b>Unit Test: (40 Marks)</b>
December	Ch-14: Oscillations
	<b>Revision &amp; December Exam</b>
January	Ch-15: Wave
	<b>Experiments &amp; Projects</b>
February	<b>Pre-Board Exam</b>
March	<b>Annual Exam</b>

**Subject: Chemistry**

<b>Months</b>	<b>Particulars</b>
<b>April</b>	Ch-1 Some Basic Concept of Chemistry, Ch-2 Structure of Atom
	<b>Exp-1</b> : Cutting Glass Tube, <b>Exp-2</b> : Bending Glass Tube <b>Exp-3</b> : Boring Inn A Cork
<b>May</b>	Ch-3 Classification of Elements, Ch-5 States of Matter, Ch-8 Redox Reaction
	<b>Exp-4</b> : Crystal Preparation of Copper Sulphate <b>Exp-5</b> : Crystal Preparation of Potash Alum
	<b>Unit Test : Ch-1 &amp; 2 (20 Marks)</b>
<b>June</b>	<b>Summer Vacations</b>
<b>July</b>	Ch-4 Chemical Bonding & Molecular Structure Ch-6. Thermodynamic
	<b>Exp-6</b> : Titration (Naoh + Oxalic Acid) <b>Exp-7</b> : Titration (Na <sub>2</sub> CO <sub>3</sub> + Hcl)
	<b>Unit Test : Ch-1 to 4 (40 Marks)</b>
<b>August</b>	Ch-12 Organic Chemistry, Ch-13 Hydrocarbon
	<b>Exp-8</b> : Titration, <b>Exp-9</b> : Titration
<b>Sept.</b>	<b>Exp-10</b> : How to Detect The Presence of Halogens <b>Exp-11</b> : To Detect N & S
	<b>Revision &amp; Half Yearly Exam</b>
<b>October</b>	Ch-9 Hydrogen, Ch-10 S- Block Elements, Ch-11 P-Block Elements
	<b>Exp-12</b> : Salt Analysis Start : 1, 2, 3
<b>November</b>	Ch-7 Equilibrium
	<b>Exp-13</b> : Salt Analysis : 4, 5, 6, 7
	<b>Unit Test (40 Marks)</b>
<b>December</b>	<b>Revision &amp; December Exam</b>
<b>January</b>	<b>Revision &amp; Sample Papers</b>
<b>February</b>	<b>Pre-Board Exam</b>
<b>March</b>	<b>Annual Exam</b>

**Subject: Biology**

<b>Months</b>	<b>Particulars</b>
<b>April</b>	<b>Unit – 1</b> Ch-1 The Living World, Ch-2 Biological Classification, Ch-3 Plant Kingdom
	<b>Exp:</b> Study of the parts of a compound
<b>May</b>	Ch-4 Animal Kingdom, <b>Unit – 2</b> Ch-5 Morphology of Flowering Plants Ch-6 Anatomy of Flowering Plants
	<b>Exp:</b> To study of plant pigments through paper Chromatography.
	Unit Test- Ch-1, 2 and 3 (20 Marks)
<b>June</b>	<b>Summer Vacations</b>
<b>July</b>	Ch-7 Structure Organization in Animals, <b>Unit – 3</b> Ch-8 Cell - The Unit of Life, Ch-9 Bio Molecules
	<b>Exp:</b> Study of osmosis by Potato-Osmometer.
	<b>Unit Test : Ch-4 to 8 (40 Marks)</b>
<b>August</b>	Ch-10 The Cell Cycle & Cell Division, <b>Unit – 4</b> Ch-11 Transport in Plants
	<b>Exp:</b> Study of the specimen/slide and identification with reason , bacteria spirogyra, rhizopus and mushroom
	Unit Test- Ch-4, 8 and 9 (20 Marks)
<b>Sept.</b>	<b>Revision &amp; Half Yearly Exam</b>
<b>October</b>	Ch-12 Mineral Nutrition, Ch-13 Photosynthesis in higher Plant, Ch-14 Respiration in Plants, Ch-15. Plant Growth & Development
	<b>Exp:</b> Exp: Study of the specimen and identification with reason – Ascaris, Earthworm, Frog, Lizard, Pigeon
<b>November</b>	<b>Unit – 5</b> Ch-16 Digestion & Absorption, Ch-17 Breathing and Exchange of Gases, Ch-18 Body field and Circulation, Ch-19 Excretory Products and their Elimination
	Unit Test- Ch-11 to 16 (40 Marks)
<b>December</b>	Ch-20 Locomotion and Movement
	<b>Exp:</b> Study of imbibitions in seed/raisins
	<b>Revision &amp; December Exam</b>
<b>January</b>	Ch-21 Neural control & Co-ordination Ch-22 Chemical Co-ordination Integration
	<b>Exp:</b> Study of external morphology of Cockroach
<b>February</b>	<b>Pre-Board Exam</b>
<b>March</b>	<b>Annual Exam</b>

**Subject: Accountancy**

<b>Months</b>	<b>Particulars</b>
<b>April</b>	<b>Unit – 1</b> Ch.1: Meaning and Importance of Accounting Ch-2: Accounting Basic Terms Ch-3: Accounting Principle Ch-4: Process and Bases of Accounting
<b>May</b>	Ch-5: Accounting Standard and International Financial Repeating Standard (IFRS), <b>Unit – 2</b> Ch-6: Accounting Equation
	<b>Unit Test : Ch-1 (14 Marks), Ch-2 (6 Marks)</b>
<b>June</b>	<b>Summer Vacations</b>
<b>July</b>	Ch-7: Double Entry System Ch-8: Origin of Transaction – Source Documents of Accountancy Ch-9: Books of Original Entry – Journal Ch-10: Cash Book
	Ch-11: Special Purpose Subsidiary Books Ch-12: Ledger
	Ch-13: Trial Balance and Error Ch-14: Bank Reconciliation Statements
	<b>Unit Test : 40 Marks</b>
<b>Sept.</b>	<b>Revision &amp; Half Yearly Exam</b>
<b>October</b>	Ch-15: Depreciation Ch-16: Provision and Reserve, Ch-17: Bill of Exchange Ch-22: accounting from Incomplete Records
	Ch-18: Rectification of Error Ch-19: Financial Statement
	<b>Unit – 3</b> Ch-20: Financial Statement with Adjustment.
	<b>Unit Test (40 Marks)</b>
<b>December</b>	<b>Revision &amp; December Exam</b>
<b>January</b>	<b>Unit – 4</b> Ch-23: Introduction of Computer Ch-24: Information of accounting Information System
	<b>Pre-Board Exam</b>
<b>February</b>	<b>Pre-Board Exam</b>
<b>March</b>	<b>Annual Exam</b>
	<b>Blue Print</b>
	Unit-1: The rational Framework-15 Marks
	Unit-2: Accounting Process-35 Marks
	Unit-3: Financial Stat. of Sole Proprietor -25 Marks
Unit-4 : Computers in Accounting-15 Marks	

**Subject: Business Studies (Part – A)**

<b>Months</b>	<b>Particulars</b>
<b>April</b>	Unit-1: Nature & Purpose of Business
	Unit-2: Forms of Business Organization
<b>May</b>	Unit-3: Private, Public & Global Enterprises
	Unit Test- Ch-1 and 2 (20 Marks)
<b>June</b>	<b>Summer Vacations</b>
<b>July</b>	Unit-4: Business Services
	Unit-5: Emerging Modes of Business
	<b>Unit Test: (40 Marks)</b>
<b>August</b>	Unit-6: Social Responsibility of Business and Business Ethics
<b>Sept.</b>	<b>Revision &amp; Half Yearly Exam</b>
<b>(Part – B)</b>	
<b>October</b>	Unit-7: Source of Business Finance
	Unit-8: Small Business
<b>November</b>	Unit-9: Internal Trade
	Unit-10: International Business
	Unit Test: (40 Marks)
<b>December</b>	<b>Revision &amp; December Exam</b>
<b>January</b>	<b>Revision, Sample Papers &amp; Case Study</b>
<b>February</b>	<b>Pre-Board Exam</b>
<b>March</b>	<b>Annual Exam</b>

**Subject: Economics (Part – A)**

<b>Months</b>	<b>Particulars</b>
<b>April</b>	Unit-1: Introduction
	Unit-2: Consumer's Equilibrium & Demand
<b>May</b>	Unit-3: Producer Behaviour and Supply
	Unit Test: (20 Marks) Unit-1 (10 Marks) & Unit-2 (10 Marks)
<b>June</b>	<b>Summer Vacations</b>
<b>July</b>	Unit-4: Forms of Market and Price Determination under Perfect Competition
	<b>Unit Test: (40 Marks)</b>
<b>(Part – B)</b>	
<b>August</b>	Simple Applications of Tools of Demand & Supply
<b>Sept.</b>	<b>Revision &amp; Half Yearly Exam</b> (Unit-1 to 4 = 80 Marks)
<b>Part – B</b>	
<b>October</b>	Unit-5: Introduction
	Unit-6: Collection, Organization and Presentation of Data
<b>November</b>	Unit-7: Statistical Tools and Interpretation
	Unit Test: (40 Marks)
<b>December</b>	<b>Revision &amp; December Exam</b>
<b>January</b>	<b>Revision, Sample Papers &amp; Case Study</b>
<b>February</b>	<b>Pre-Board Exam</b>
<b>March</b>	<b>Annual Exam</b>

