

KALPANA CHAWLA VIDYAPEETH

Syllabus Session (2021-22)

Subject: Mathematics

Class – XII

Months	Particulars
April	Ch-1: Relations and Functions, Ch-2: Inverse Trigonometric Functions
May	Ch-3: Algebra of Matrices, Ch-4: Determinants
	Unit Test- Ch-1 and 2
June	Summer Vacations
July	Ch-5: Adjoint and Inverse of Matrix, Ch-6: Continuity and Differentiability
August	Ch-7: Application of Derivatives
	Unit Test- Ch-5, 6 and 7
Sept.	Ch-8: Integrals, Ch-9: Application of Integrals
	Revision & Half Yearly Exam
October	Ch-9: Application of Integrals, Ch-10: Differential Equations, Ch-11: Vector Algebra
November	Ch-12: 3D, Ch-13: Probability
	Unit Test- Ch-8, 9 and 10
December	Ch-14: Linear Programming
	Revision & December Exam
January	Revision & Sample Papers
February	Pre-Board Exam
March	Annual Exam

Subject: Physics

Months	Particulars
April	Ch-1: Electric Charges and Fields Ch-2: Electrostatics Potential and Capacitance
	Exp-1: To verify ohm's law and determine resistance per unit length.
May	Ch-3: Current and Electricity, Ch-4: Charges and Magnetism
	Unit Test: Ch-1 (7 Marks), Ch-2 (6 Marks) & Ch-3 (7 Marks)
June	Summer Vacations
July	Ch-5: Magnetism and Matter Ch-6: Electromagnetic Induction
	Exp-2: To determine the value of an unknown resistance of a wire using meter bridge.
	Exp-3: To verify the series and parallel combination resistances.
August	Ch-7: Alternating Current, Ch-8: Electromagnetic Waves
	Exp-4: To compare the emf of two cells using potentiometer Exp-5: To determine the value of an resistance of primary cell by potentiometer
	Unit Test: Ch-5 (6 Marks), Ch-7 (7 Marks) & Ch-8 (7 Marks)
Sept.	Ch-9: Optical Instrument
	Revision & Half Yearly Exam
October	Ch-10: Wave Optics Ch-11: Dual Nature of Matter
	Exp-6: determine the resistance of a galvanometer and figure of merit.
	Exp-7: To convert galvanometer into voltmeter
November	Ch-12: Atoms, Ch-13: Nuclei
	Exp-8: To calculate focal length of convex lens by plotting $\frac{v}{u}$ and $\frac{1}{v}$.
	Exp-9: Calculate angle of minimum deviation and find refractive index of glass prism.
	Unit Test: Ch-10 (7 Marks), Ch-11 (6 marks), Ch-12 (7 Marks)
December	Ch-14: Semiconducting and Devices Ch-15: Communication Pre Board
	Revision & December Exam
January	Experiments & Projects
February	Pre-Board Exam
March	Annual Exam

Subject: Chemistry

Months	Particulars
April	Ch-1 Solution, Ch-2 Electrochemistry, Ch-14 Polymer
	Exp-1 : Preparation of Colloids Exp-2 : Preparation of Crystals Copper Sulphate
May	Ch-3 Chemical Kinetic, Ch-8 Coordination Compound, Ch-9 Halo Alkane And Halo Arenas, Ch-13 Biomolecules
	Exp-3: Prep. of Crystal of Mohr Salt, Exp-4: Prep. of β -Naphthol Aniline Dye, Exp-5: Prep. of Acetanilide Dye
	Unit Test : Ch-1, 2 & 3 (20 Marks)
June	Summer Vacations
July	Ch-4 Surface Chemistry, Ch-7 D & F- Block Elements
	Exp-6 : Titration-1 (Mohr Salt +KmnO ₄), Exp-7 : Titration -2 (Oxalic Acid + KmnO ₄), Exp-8 : Titration -3 (Mohr Salt + KmnO ₄)
	Unit Test : Ch-1 to 5 (40 Marks)
August	Ch-10 Alcohols, Phenols & Ether, Ch-5 General Principle & Extraction of Elements
	Exp-9: Titration-4, Exp-10: Titration-5
Sept.	Exp-11: Chemical Kinetic Rate Of Reaction, Exp-12: Salt Analysis Start:- 1,2,3
	Revision & Half Yearly Exam
October	Ch-11 Aldehyde, Ketones & Carboxylic Acid, Ch-12 Amines
	Exp-13: Salt Analysis:- 4,5,6,7
November	Ch-6 P-Block, Ch-15 Chemistry in Everyday Life
	Exp-14: Salt Analysis Complete Unit Test (40 Marks)
December	Revision & December Exam
January	Revision & Sample Papers
February	Pre-Board Exam
March	Annual Exam

Subject: Biology

Months	Particulars
April	Ch-1 Reproduction in Organism, Ch-2 Sexual Reproduction in Flowering Plant
	Exp: Study the presence of suspended particles matter in air at two widely different sites.
May	Ch-3 Human Reproduction, Ch-4 Reproductive Health, Ch-8 Human Health and Disease
	Exp: To study ph of different solids and kinds of plant found in them.
	Unit Test- Ch-1, 2 and 3 (20 Marks)
June	Summer Vacations
July	Ch-9 Strategies for Enhancement in Food Production Ch-10 Microbes in Human Welfare
	Exp: Study of water holding capacity of garden soil and road side soil and kind of plant found in each soil sample.
August	Ch-11 Biotechnology, Principal and Process, Ch-12 Biotechnology and Its Application
	Exp: Study and identify stages of gamete development i.e. T.S. Testis, T.S. Ovary, T.S. Of Blastula
	Unit Test- Ch-4, 8 and 9 (20 Marks)
Sept.	Revision & Half Yearly Exam
October	Ch-5 Principal of Inheritance and Variations, Ch-6 Molecular Basis of Inheritance, Ch-7 Evolution
	Exp-1: Spotting- Xerophylie Plant, Opentia Ascaris Exp-2: To study of plant population density by quadrat method
November	Ch-13 Organism and Population, Ch-14 Ecosystem, Ch-15 Biodiversity and Conservation, Ch-16 Environment Issue
	Exp-1: To study meiosis through permanent slides. Exp-2: To make a project
	Unit Test- Ch-5, 6 and 7 (40 Marks)
December	Revision & December Exam
January	Revision & Sample Papers
February	Pre-Board Exam
March	Annual Exam

Subject: Accountancy

Months	Particulars
April	Ch-1: Accountancy for Partnership Firms Fundamental Ch-2: Change in Accounting Ratio Ch-3: Admission of a Partner (Half)
May	Ch-3: Admission of Partner (Complete) Ch-4: Retirement of a Partner
	Unit Test : Ch-1 (12 Marks), Ch-2 (8 Marks)
June	Summer Vacations
July	Ch-5: Dissolution of Partnership Firm Ch-6: Accounting for Non-Profit Organization
August	Ch-7: Issue of Share Ch-8: Issue of Debenture
	Unit Test : 40 Marks
Sept.	Revision & Half Yearly Exam
October	Ch-9: Redemption of Debenture
	Unit – II
	Ch-1: Financial Statement, Ch-2: Analysis of Financial Statement Ch-3: Comparative Statement, Ch-4: Common Size Statement
November	Ch-5: Ration Analysis, Ch-6: Cash Flow Statement
	Unit Test (40 Marks)
December	Revision & December Exam
January	Revision & Sample Papers
February	Pre-Board Exam
March	Annual Exam <u>Blue Print (Part-A)</u> Unit-1: Not for Profit Organization-10 Marks Unit-2: Partnership-30 Marks Unit-3: Company Accounts-20 Marks <u>Blue Print (Part-B)</u> Chapter-1: 02 Marks Chapter-2: 01 Marks Chaper-3 & 4: 04 Marks Chapter-5: 05 Marks Chapter-6: 08 Marks

Subject: Business Studies (Part-A)

Months	Particulars
April	Unit-1: Nature & Significance of Management Unit-2: Principle of Management
May	Unit-3: Management and Business Environment Unit-4: Planning
	Unit Test- Ch-1 and 2 (20 Marks)
June	Summer Vacations
July	Unit-5: Organizing, Unit-6: Staffing
	Unit Test: (40 Marks)
August	Unit-7: Directing Unit-8: Controlling
Sept.	Revision & Half Yearly Exam
(Part – B)	
October	Unit-9: Financial Management, Unit-10: Financial Market
November	Unit-11: Marketing Management, Unit-12: Consumer Protection
	Unit Test: (40 Marks)
December	Revision & December Exam
January	Revision, Sample Papers & Case Study
February	Pre-Board Exam
March	Annual Exam

Subject: Economics

Months	Particulars
April	Unit-1: National Income and Related Aggregates Unit-2: Money and Banking
May	Unit-3: Determination of Income and Employment Unit-4: Govt. Budget and The Economy
	Unit Test: (20 Marks) Unit-1 (10 Marks) & Unit-2 (10 Marks)
June	Summer Vacations
July	Unit-5: Balance of Payments
	Unit Test: (40 Marks)
(Part – B)	
August	Unit-6: Development Experience (1947 – 90) and Economic Reforms since 1991
Sept.	Revision & Half Yearly Exam (Unit-1 to 5 = 80 Marks) Unit-1 (20 Marks), Unit-2 (12 Marks), Unit-3 (24 Marks) Unit-4 (12 Marks), Unit-5 (12 Marks)
October	Unit-7: Current Challenges Facing Indian Economy
November	Unit-8: Development Experience of India
	Unit Test: (40 Marks)
December	Revision & December Exam
January	Revision, Sample Papers & Case Study
February	Pre-Board Exam
March	Annual Exam

