



Vivek Techno School

(An English Medium Day Boarding Co-Educational School)

Jaipur: vivektechno.ac.in www.vivektechno.ac.in VT Campus, Sec-36, NRI Road, Jagatpura, Jaipur. +91-95493-60888

Promoted By : Marudhar Education Society

SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : Physics (Code No. 042)
CLASS – XII A,B

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Ch 1 Electric charges and Fields Ch 2 Electrostatic potential and Capacitance	Feb	22	√		√	√
2.	Ch 3 Current Electricity	March	24		√	√	√
3.	Ch 4 Moving charge and Magnetism Ch 5 Magnetism & Matter	April	22		√	√	√
6.	Ch 6 Electromagnetic Induction	May	9			√	√
		June	6				
7.	Ch 7 Alternating Current Ch 8 Electromagnetic Waves	July	26			√	√
8.	Ch 9 Ray Optics Ch 10 Wave Optics	Aug	23				√
9.	Ch 11 Wave – Particle Ch 12 Atoms	Sep	17				√
10.	Ch 13 Nuclei Ch 14 Semiconductor Electronics	Oct	23				√
11.	Pre board 1	Nov	18				
12.	Pre board 2	Dec	24				
13.	Practical & Revision	Jan	15				

SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : BIOLOGY (044)
CLASS – XII B

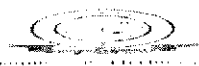
S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Ch -1 Reproduction in flowering plants	Feb	15	√		√	√
2.	Ch- 1 Reproduction in flowering plants Ch-2 Reproduction in human being	Feb & March	15	√		√	√
3.	Ch -2 Reproduction in human being Ch-3 Reproductive health	March	24		√	√	√
4.	Ch3 continued	April	22		√	√	√
5.	Ch -4 Reproductive health					√	√
6.	Ch –6Molecular basis of inheritance	May	13			√	√
7.	Ch 6 continued	May				√	√
		June	6				
8.	Ch-5 Heridity Ch- 9 Evolution	July	26			√	√
9.	Ch-7 Human health and Disease Ch -8 Organism and Population Ch - microbes in human welfare	Aug	23				√
10.	CH-10 Ecosystem	Sep / Oct	17				√
11.	Ch-11 and 12 Biotechnology	Nov/ Dec	23				√
12.	Practical & Revision		18				



SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : MATHEMATICS (041)
CLASS – XII A

S.no	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Ch 5– Continuity and Differentiability	Feb	15	√		√	√
2.	Ch- 3 Matrices	Feb	15	√		√	√
3.	CH 4 Determinants CH 2 Inverse Trigonometric Functions	March	24		√	√	√
4.	CH 1 Relations and Functions CH 6 Applications of Derivatives	April	22		√	√	√
5.	CH 7 INTEGRALS	May				√	√
		June	6				
6.	CH 8 Applications of the Integrals CH 9 Differential Equations	July	26			√	√
7.	Ch10 Vectors CH 11 Three - dimensional Geometry	Aug	23				√
	CH 12 Linear Programming CH 13 Probability	Sep / Oct	17				√
9.	Revision Ch1 to Ch 6	Nov\ Dec	23				
10.	Revision Ch 7 to Ch 12		18				

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SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : PHYSICAL EDUCATION (048)
CLASS – XII

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Planning in Sports	Feb	15	√		√	√
2.	Sports and Nutrition	Feb & March	15	√		√	√
3.	Yoga and lifestyle	March	24		√	√	√
4.	Physical Education and Sports for CWSN	April	22		√	√	√
5.	Children and Sports					√	√
6.	Women and sports	May	13			√	√
7.	Test and measurement in Sports	May				√	√
		June	6				
8.	Physiology and sports	July	26			√	√
9.	Sports injuries / biomechanics and Sports	Aug	23				√
10.	Revision & Mid Term	Sep / Oct	17				√
11.	Revision	Nov/ Dec	23				√
12.	Practical & Revision		18				



SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : INFORMATICS PRACTICES
CLASS – XII ABCD

Book Name : INFORMATICS PRACTICES(APC BOOKS)

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid Term	Pre board 1&2
1.	Creating, Accessing and operations on series using Pandas	Feb	22	√		√	√
2.	Data handling using Pandas Part-I Creating, Accessing and operations on dataframes using Pandas	Feb & March		√		√	√
	Part-II Iterations, Binary operations, Aggregate and Statistical functions	March	24		√	√	√
3.	Data visualization using PyPlot	April	22		√	√	√
4.	Importing/Exporting Data Between CSV files/Mysql and Dataframes					√	√
5.	Revision of mysql	May	13			√	√
6.	Functions in Mysql	May				√	√
		June	6				
7.	More queries in MYSQL	July	26			√	√
8.	SQL joins and set operations in SQL	Aug	23				√
9.	Computer Network	Sep	17				√
10.	Internet and Web						
11.	Ethics, Etiquettes, cybercrime	Oct	23				√
12.	Intellectual Property Rights						
	Pre board 1	Nov	18				
	Pre board 2	Dec	24				
	Practical & Revision	Jan	15				

Sub Teacher: Ms. Nidhi Krishnatrey

Nidhi
12/2/2025



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SESSION – 2025-26

SYLLABUS BREAK-UP

SUBJECT :CHEMISTRY (043)

CLASS – XII

Prescribed Books:

1. Chemistry Part-I, Textbook for Class XII Published by NCERT
2. Chemistry Part-II, Textbook for Class XII Published by NCERT

S.no	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	SOLUTIONS	Feb	15	√		√	√
2.	ELECTROCHEMISTRY • Practicals Prepare <u>M</u> standard solution of <u>M20</u> oxalic acid. Determine the molarity and strength of given KMnO_4 solution by using this standard solution.	Feb & March	15	√		√	√
3.	ELECTROCHEMISTRY CHEMICAL KINETICS Prepare <u>M</u> standard solution of <u>M20</u> Mohr's salt. Determine the molarity and strength of given KMnO_4 solution by using this standard solution	March	24		√	√	√
4.	D & f BLOCK ELEMENTS Practicals To identify the presence of functional group.	April	22		√	√	√
5.	HALOALKANES & HALOARENES • Practicals To identify acid & basic radicals					√	√
6.	COORDINATION COMPOUNDS	May	13			√	√
7.	ALCOHOLS, PHENOLS & ETHERS	May				√	√
		June	6				
8.	ALDEHYDES KETONES & CARBOXYLIC ACIDS	July	26			√	√
9.	AMINES	Aug	23				√

10.	Revision & Mid Term	Sep / Oct	17				√
11.	Revision	Nov/Dec	23				√
12.	Practical & Revision	Jan	18				

Evaluation Scheme for Practical Examination

Time: 3Hours

TotalMarks: 30

Evaluation Scheme for Examination	Marks
Volumetric Analysis	08
Salt Analysis	08
Content Based Experiment	06
Project Work	04
Class record and viva	04
Total	30

CLASS XII (2025-26) (THEORY)

Time: 3 Hours

70 Marks

S.No.	Title	No. of Periods	Marks
1	Solutions	15	7
2	Electrochemistry	18	9
3	Chemical Kinetics	15	7
4	d -and f -Block Elements	18	7
5	Coordination Compounds	18	7
6	Haloalkanes and Haloarenes	15	6
7	Alcohols, Phenols and Ethers	14	6
8	Aldehydes, Ketones and Carboxylic Acids	15	8
9	Amines	14	6
10	Biomolecules	18	7
	Total	160	70

PRACTICAL SYLLABUS

60 Periods

Micro-chemical methods are available for several of practical experiments.

Wherever possible, such techniques should be used.

A. Surface Chemistry

- (a) Preparation of one lyophilic and one lyophobic sol

Lyophilic sol - starch, egg albumin and gum

Lyophobic sol - aluminium hydroxide, ferric hydroxide, arsenous sulphide.

- (b) Dialysis of sol-prepared in (a) above.

- (c) Study of the role of emulsifying agents in stabilizing the emulsion of different oils.

B. Chemical Kinetics

- (a) Effect of concentration and temperature on the rate of reaction between Sodium Thiosulphate and Hydrochloric acid.

- (b) Study of reaction rates of any one of the following:

- (i) Reaction of Iodide ion with Hydrogen Peroxide at room temperature using different concentrations of Iodide ions.

Reaction between Potassium Iodate, (KIO_3) and Sodium Sulphite: (Na_2SO_3) using starch solution as an indicator (clock reaction).

C. Thermochemistry

Any one of the following experiments

- (a) Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate.

- (b) Enthalpy of neutralization of strong acid (HCl) and strong base (NaOH).

- (c) Determination of enthalpy change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

D. Electrochemistry

Variation of cell potential in $\text{Zn}/\text{Zn}^{2+} \parallel \text{Cu}^{2+}/\text{Cu}$ with change in concentration of electrolytes (CuSO_4 or ZnSO_4) at room temperature.

E. Chromatography

- (a) Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of R_f values.

- (b) Separation of constituents present in an inorganic mixture containing two cations only (constituents having large difference in R_f values to be provided).

F. Preparation of Inorganic Compounds

Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum.

Preparation of Potassium Ferric Oxalate.

G. Preparation of Organic Compounds

Preparation of any one of the following compounds

- i) Acetanilide ii) Di-benzal Acetone iii) p-Nitroacetanilide iv) Aniline yellow or 2-Naphthol Aniline dye.

H. Tests for the functional groups present in organic compounds:

Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.

I. Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs.

J. Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of:

- (a) Oxalic acid,
 - (b) Ferrous Ammonium Sulphate
- (Students will be required to prepare standard solutions by weighing).

K. Qualitative analysis

Determination of one anion and one cation in a given salt

Cation:

Pb^{2+} , Cu^{2+} , As^{3+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Zn^{2+} , Ni^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Mg^{2+} , NH_4^+

Anions: $(\text{CO}_3)^{2-}$, S^{2-} , $(\text{SO}_3)^{2-}$, $(\text{NO}_2)^-$, $(\text{SO}_4)^{2-}$, Cl^- , Br^- , I^- , $(\text{PO}_4)^{3-}$, $(\text{C}_2\text{O}_4)^{2-}$, CH_3COO^- , NO^-

(Note: Insoluble salts excluded)

INVESTIGATORY PROJECT

Scientific investigations involving laboratory testing and collecting information from other sources A few suggested Projects.

- ☐ Study of the presence of oxalate ions in guava fruit at different stages of ripening.
- ☐ Study the quantity of casein present in different samples of milk.
- ☐ Preparation of soybean milk and its comparison with natural milk with respect to curd formation, the effect of temperature, etc.
- ☐ Study of the effect of Potassium Bisulphate as a food preservative under various conditions (temperature, concentration, time, etc.)
- ☐ Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
- ☐ Comparative study of the rate of fermentation of the following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
- ☐ Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom).
- ☐ Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chilli powder and pepper.

SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : BUSINESS STUDIES
CLASS – XII C

Book Name:- Business Studies Part A & B NCERT
 Business Studies Part A & B Subhash Dey Shree Radhey Publications

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Nature and Significance of Management	Feb	22	√		√	√
2.	Principles of Management	Feb & March		√		√	√
3.	Business Environment & Planning	March	24		√	√	√
4.	Marketing	April	22		√	√	√
5.	Organizing	May	13			√	√
6.	Staffing	May				√	√
		June	6				
7.	Directing & Controlling	July	26			√	√
8.	Financial Management & Financial Markets	Aug	23				√
9.	Revision & Mid Term	Sep	17				√
10.	Consumer Protection	Oct	23				√
11.	Pre board 1	Nov	18				
12.	Pre board 2	Dec	24				
13.	Practical & Revision	Jan	15				


 Subject Teacher


 Principal

SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : BUSINESS STUDIES
CLASS – XII C

Book Name:- Business Studies Part A& B NCERT

Business Studies Part A& B Subhash Dey Shree Radhey Publications

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Nature and Significance of Management	Feb	22	√		√	√
2.	Principles of Management	Feb & March		√		√	√
3.	Business Environment & Planning	March	24		√	√	√
4.	Marketing	April	22		√	√	√
5.	Organizing	May	13			√	√
6.	Staffing	May				√	√
		June	6				
7.	Directing &Controlling	July	26			√	√
8.	Financial Management & Financial Markets	Aug	23				√
9.	Revision & Mid Term	Sep	17				√
10.	Consumer Protection	Oct	23				√
11.	Pre board 1	Nov	18				
12.	Pre board 2	Dec	24				
13.	Practical & Revision	Jan	15				



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SESSION – 2025-26 SYLLABUS BREAK-UP SUB : ECONOMICS (030) CLASS – XII C

Book-Macro Economics -Dr. Anoop Kumar Atria ,Genius Publication

Book-Indian Economics- Dr. Anoop Kumar Atria ,Genius Publication

S. N O.	NAME OF CHAPTERS	MONTH	DAYS	PT1 MARC H	PT2 JULY	MID TERM SEP	PRE BOARD 1&2
1.	-MONEY AND BANKING (MACRO) -INDIAN ECONOMICS CH -1 DEVELOPMENT EXPERIENCE (1947-90) AND ECONOMICS REFORMS SINCE 1991	FEB	15	√		√	√
2.	-GOVERNMENT BUDGET AND THE ECONOMY. (MACRO) -INDIAN ECONOMICS CH-2 DEVELOPMENT EXPERIENCE (1947-90) AND ECONOMIC REFORMS SINCE 1991	MARCH	15	√		√	√
3.	-NATIONAL INCOME AND RELATED AGGREGATES.(MACRO)	APRIL	22		√	√	√
4.	-BALANCE OF PAYMENTS(MACRO)	MAY	13			√	√
5.	-INDIAN ECONOMICS CH-3 ECONOMIC REFORMS SINCE 1991:	JUNE	6				
6.	-DETERMINATION OF INCOME AND EMPLOYMENT (MACRO)	JULY	26			√	√
7.	-CURRENT CHALLENGES FACING INDIAN ECONOMY • HUMAN CAPITAL FORMATION • RURAL DEVELOPMENT • EMPLOYMENT	AUG	23				√
8.	-CURRENT CHALLENGES FACING INDIAN ECONOMY • SUSTAINABLE ECONOMIC DEVELOPMENT • DEVELOPMENT EXPERIENCE OF INDIA	SEP/OCT	17				√
9.	REVISION	NOV/DEC	23				√
10	SAMPLE PAPER/ PREBOARD	JAN	18				

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SUBJECT TEACHER

INCHARGE

12/12/2024
PRINCIPAL



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SESSION – 2025-26 SYLLABUS BREAK-UP SUB :Political Science (028) CLASS – XII D

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	➤ Challenges of Nation-Building ➤ Contemporary Centres of Power	Feb	15	√		√	√
2.	Regional Aspirations	Feb & March	15	√		√	√
3.	➤ India's External Relations ➤ Challenges to and Restoration of the Congress System	March	24		√	√	√
4.	➤ The Crisis of Democratic Order ➤ Contemporary South Asia	April	22		√	√	√
5.	➤ International Organizations ➤ Security in the Contemporary World					√	√
6.	Environment and Natural Resources	May	13			√	√
7.	Globalisation	May				√	√
		June	6				
8.	Recent Developments in Indian Politics	July	26			√	√
9.	Era of One-Party Dominance	Aug	23				√
10.	Revision & Mid Term	Sep / Oct	17				√
11.	Revision	Nov\ Dec	23				√
12.	Practical & Revision	jan	18				



SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : HISTORY (027)
CLASS – XII D

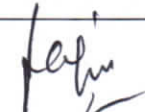
BOOK- Themes in Indian History Part I
 Themes in Indian History Part II
 Themes in Indian History Part III

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	➤ Bricks, Beads and Bones The Harappa Civilisation ➤ An Imperial Capital – Vijayanagar (c. fourteenth to sixteenth centuries)	Feb	15	√		√	√
2.	➤ Rebels and Raj 1857 Revolt and its Representations ➤ Kingship, Caste and class Early Societies (c. 600 BCE600 CE)	Feb & March	15	√		√	√
3.	Kings, Farmers and Towns Early States and Economies (c.600 BCE600 CE)	March	24		√	√	√
4.	Thinkers, Beliefs and Buildings Cultural Developments (c. 600 BCE600 CE)	April	22		√	√	√
5.	: Mahatma Gandhi and the National Movement Civil Disobedience and Beyond					√	√
6.	Framing of the Constitution The Beginning of a New Era	May	13			√	√
7.	Colonialism and The Countryside Exploring Official Archives	May				√	√
		June	6				
8.	Framing of the Constitution The Beginning of a New Era	July	26			√	√
9.	Peasants, zamindars and the States Agrarian Society and the Mughal Empire (c. sixteenth-seventeenth centuries)	Aug	23				√
10.	Revision & Mid Term	Sep / Oct	17				√
11.	Revision	Nov/ Dec	23				√
12.	Practical & Revision		18				

SESSION – 2025-26
SYLLABUS BREAK-UP
SUB : ACCOUNTANCY
CLASS – XII

Book Name : Accountancy Partnership Part A Volume 1 Companies Volume 2
Part B Financial Statement Of Companies (ABC Publication ,D K GOEL)

S.no.	Name of the chapters	Month	Days	PT1 March	PT2 July	Mid term	Pre board 1&2
1.	Fundamentals of partnership	Feb	22	√		√	√
2.	Change in the profit sharing ratio	Feb & March		√		√	√
3.	Admission of a partner -	March	24		√	√	√
4.	Financial statement analysis: Comparative and common size statement.	April	22		√	√	√
5.	Accounting ratios:					√	√
6.	Cash flow statement	May	13			√	√
7.	Retirement and death of a partner	May				√	√
		June	6				
8.	Dissolution of a partnership firm	July	26			√	√
	Accounting for share capital	Aug	23				√
10.	Revision & Mid Term	Sep	17				√
11.	Debenture	Oct	23				√
12.	Pre board 1	Nov	18				
13.	Pre board 2	Dec	24				
14.	Practical & Revision	Jan	15				


Subject Teacher


Principal