

SYLLABUS

SESSION 2018 – 2019

CLASS – XII

ENGLISH LANGUAGE

Term 1

March

Essays	Pg 50 (6) Pg 51 (7) Pg 58 (12)	Memories Diversities/Diversity Colours
Report	Pg 266 (16) Pg 275 (19)	The Train Mishap Review of a Book
Grammar	Pgs 371-376	Exercise 5 to 14

April

Essays	Pg 61 (14) Pg 63 (15)	Ambition Money
Report	Pg 267 (11) Pg 270 (14)	Bank Robbery foiled Serve Cyclone strikes
Grammar	Pgs 377-381	Exercise 15 to 20

May

Essays	Pg 82 (29) Pg 92 (35) Pg 153 (78)	Clouds Is God Dead? Rains can cause havoc in our lives
Compre	Pg 296-298	Exercise 3
Grammar	Pgs 386-389	Exercise 1 to 6

July

Essay	Pg 123 (57) Pg 157 (81) Pg 207 (116)	All Good Things in Life are free We can never know how a man feels There is no need of newspaper
Grammar	Pg 390-392 Pgs 399-402 Pgs 405, 406	Exercise 7 to 10 Exercise 1 to 4 Exercise 1 to 3

1st Unit Test Syllabus

Report Writing

Term 2

August

Essays	Pg 136 (66) Pg 174 (93) Pg 242 (140)	Home Sweet Home Memories on seeing an old photo album 'I do not believe in Ghosts'
Report	Pg 272 (16)	Fire in Stevenson Tower
Cpmre	Pg 298-300	Exercise 4
Grammar	Pgs 408-411	Exercise 4 to 7

September

Essays	Pg 223 (126) Pg 230 (131)	The Doctor, The Lawyer and The Teacher Beauty Pageants are a verlgar display of bodies
Report	Pg 276 (20)	Review of a film- The Titanic Pg 276
Essay	Pg 244 (141)	The Quarrel (Story)
Grammar	Pgs 426-429	Exercise 1 to 10
Compr	Pg 303, 304	Exercise 6

October

Essays	Pg 155 (100) Pg 237 (136)	Judge a man not by what he has, but by Young people with religious education.....
Report	Pg 274 (18)	Interviewed a famous person
Compre	Pg 310-312	Exercise 10
Grammar	Pg 431-432	Exercise 1, 2

November

Revision- Essays/Reports

December

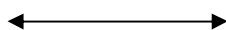
Revision- Reports/Comprehensions

January

Revision- Essays/Reports/Comprehensions/Grammar

February

Revision

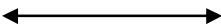


Term 1 March	Play	Act IV Sc 1 (lines 1-193) pgs 132-144 + Workbook pgs 126-133
	Prose	--
	Poetry	The Darkling Thrush + Work Book pgs 15-17
April	Play	Act IV Sc 1 (lines 194-266) pgs 144-148 + Workbook pgs 133-141
	Prose	Salvatore + Work Book pgs 14-21
	Poetry	--
May	Play	Act V Sc 1 (lines 171) pgs 150-160 + Workbook pgs 154-157
	Prose	The Story of an Hour + Work Book pgs 81-87
	Poetry	Dover Beach + Work Book pgs 99-102
July	Play	Act V Sc 1 (lines 172-318) + Epilogue (1-20) pgs 160-170 + Workbook pgs 159-162
	Prose	--
	Poetry	--

1st Unit Test Syllabus

The Darkling Thrush + Workbook

Term 2 August	Play	Revision- Act 1 Sc 1 + Workbook
	Prose	Revision- Quality + Workbook
	Poetry	Revision- The Dolphins + Workbook
September	Play	Revision- Act 1 Sc 2 + Workbook
	Prose	Revision- The story of an Hour + Workbook
	Poetry	Revision- Birches + Workbook
October	Play	Revision- Act 2 Sc 1 + Workbook
	Prose	Revision- The Chinese Statue + Workbook
	Poetry	Revision- The Gift of India
November	Play	Revision- Act 2 Sc 2 + Workbook
	Prose	Revision- The Singing Lesson + Workbook
	Poetry	Revision- Crossing the Bar + Workbook
December	Play	Revision- Act 3 Sc 1 + Workbook
	Prose	Revision- Fritz
	Poetry	Revision- John Brown + Workbook
January	Play	Revision- Act 3 Sc 2 + Workbook
	Prose	Revision- Gorilla in the Guest Room + Workbook
	Poetry	Revision- Desiderata + Workbook
February		Revision



HINDI LANGUAGE

Term 1 March	fucdk	31- nqW/uk ftI seSHkyk u i kbZ
		32- LoLFk "kjhj eaLoLFk efLr'd dk okl
		33- Hkkjrh; ukjh dk vkn"kl
	egkojs	i'B l d; k 258 ¼ 14 l s 125½
	okD; "kq	i'B l d; k 225] 226
	vifBr x kzk	i'B l d; k 153 ¼ kzk l d; k 17½
	ykdkfDr; k	i'B l d; k 263 ¼ 6 l s 55½

April	<p>fucɔk</p> <p>egkojs okD; "kɔ</p> <p>vifBr x kɔk</p>	<p>34- thou ea [kykɔ dk egRRo</p> <p>35- cɔkstxkjɪ%, d l eL; k</p> <p>36- dEl; Wj%, d vko"; drk</p> <p>iʼB l ɔ; k 258 ¼ 26 l s 135½</p> <p>iʼB l ɔ; k 227] 228</p> <p>18] 19 iʼB l ɔ; k 155&156</p>
May	<p>fucɔk</p> <p>egkojs okD; "kɔ</p> <p>vifBr x kɔk</p>	<p>37- inɪk.k dh l eL; k</p> <p>38- fl uɛk dk l ekt ij i Hkko</p> <p>39- ifjJe dk egRRo</p> <p>iʼB l ɔ; k 259 ¼ 36 l s 150½</p> <p>iʼB l ɔ; k 229 l s 230</p> <p>20] 21 iʼB l ɔ; k 157&158</p>
July	<p>vifBr x kɔk</p> <p>egkojs</p>	<p>21 iʼB l ɔ; k 158</p> <p>Revision</p> <p>iʼB l ɔ; k 232&234</p>

1st Unit Test Syllabus

<u>Term 2</u>			<p>fucɔk& dEl; Wj] cɔkstxkjɪ] LoLFk "kjhj esLoLFk]</p> <p>egkoj}</p> <p>okD; "kɔ</p>
August	<p>yɔkɔfDr; k</p> <p>vifBr x kɔk</p> <p>fucɔk</p> <p>egkojs okD; "kɔ</p>	<p>iʼB l ɔ; k 264 ⅝ 6 l s 62½</p> <p>22] 23] 24 iʼB l ɔ; k 159 l s 162</p> <p>40- eu dsgkjs gkj g\$-</p> <p>41- iɔfr dk l n'sk</p> <p>iʼB l ɔ; k 232 l s 233</p> <p>iʼB l ɔ; k 231</p>	
September	<p>fucɔk</p> <p>fucɔk v- 1</p> <p>egkojs okD; "kɔ</p> <p>vifBr x kɔk</p>	<p>42- fdl h egki# 'k dk thou pfj=</p> <p>43- ejs l i uka dk Hkjr</p> <p>44- fo ky; }kjk vk; kstr i; Mu</p> <p>l kfgR; l ekt dk nizk</p> <p>iʼB l ɔ; k 234 l s 235</p> <p>iʼB l ɔ; k 217 l s 218</p> <p>25] 26] iʼB l ɔ; k 162] 163</p>	
October	<p>fucɔk vH; kl ¼vH; kl ½</p> <p>egkojs okD; "kɔ</p>	<p>2- Hkjr rh; l ɔdfr</p> <p>3- HkX; vks i# 'kkFKZ</p> <p>4- ck<+dk vk[kws nq kk o.ku</p> <p>iʼB l ɔ; k 236 l s 237</p> <p>iʼB l ɔ; k 219 l s 220</p>	
November	<p>fucɔk vH; kl</p> <p>dgkuh y[ku ; k vfxu nqWuk</p> <p>egkojs okD; "kɔ</p> <p>vifBr x kɔk</p>	<p>5- HkVkp kj</p> <p>6- i j ki dkj</p> <p>7- j syos LV'sku dk n";</p> <p>8- Hkjr dh orɛku l eL; k, i</p> <p>iʼB l ɔ; k 238 l s 239</p> <p>iʼB l ɔ; k 221 l s 223</p> <p>27] 28] 29] iʼB l ɔ; k 165 l s 167</p>	
December	<p>fucɔk vH; kl</p> <p>dgkuh y[ku ; k jkeɔd ?kVuk</p> <p>egkojs okD; "kɔ</p> <p>vifBr x kɔk</p>	<p>9- l Rl xfr</p> <p>10- l Ppfj=rk</p> <p>11- gkfuykHk& thou ej.k</p> <p>12- Hkjr rh; ukjh dscnyrs#i</p> <p>iʼB l ɔ; k 240 l s 243</p> <p>iʼB l ɔ; k 224 l s 229</p> <p>30] 31] 32] iʼB l ɔ; k 168 l s 171</p>	

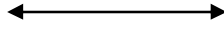
January fucdk vll; kl

egkojs
okD; "kq
vifBr x|kzk

13- ejh fiz _rq
14- ejk fiz R; kskj
15- dkbzjkcpd ; k=k
16- fdI h I Md nqWuk dk o.ku
17- dkbzI kgfl d ?kVuk
i'B I d; k 244 I s 249
i'B I d; k 230 I s 231
33] 34] 35] i'B I d; k 172 I s 175

February

Revision



Term 1

March x| I dyu
i k B 7
dk0; eatjh
i k B 8

April vk'kk<+dk , d fnu
x| I dyu
i k B 8

May dk0; eatjh
i k B 9

July vk'kk<+dk , d fnu

HINDI LITERATURE

D; k fujk" k gup tk, \ %gtkj h i d kn nfoonn½
mn; eh uj %jke/kkj h fl g fnudj½
%vd rhu½
HkfDru %egknsh oek½
ckny dks f?kjr sn[kk gS %ukxkt½

1st Unit Test Syllabus

Term 2

August x| I dyu
i k B 9
dk0; eatjh
i k B 10

September vk'kk<+dk , d fnu
x| I dyu
i k B 9

October x| I dyu

November vk'kk<+dk , d fnu
x| I dyu
i k B 1
dk0; eatjh
i k B 1
i k B 2

December x| I dyu
i k B 2
i k B 3
i k B 4
dk0; eatjh
i k B 3
i k B 4

January vk'kk<+dk , d fnu
x| I dyu
i k B 5
i k B 6

mn; ehuj
I l dfr gSD; k \ %jke/kkj h fl g fnudj½
v/ljs dk nhi d %gfjoakjk; cPpu½
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Revision
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vk%/kjr h fdruk nrh gS %l %e=kunu i r½
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nkl h %t; "kdj i d kn½

dk0; eatjh

i kB 5

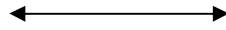
i kB 6

unh ds }hi ¼/Ks ½

ryl hnl ds in ¼ryl hnl ½

February

Revision



ECONOMICS

For further details students must go through I.S.C. 2019 Syllabus Booklet

Term 1

March

Chapter 1
Chapter 2

An Introduction to Micro and Macro Economics
Elementary Theory of Demand

April

Chapter 3
Chapter 4
Chapter 5
Chapter 6

Elasticity of Demand
Consumer Behaviour: Cardinal & Ordinal Utility Analysis
Supply and Elasticity of Supply
Laws of Returns and Returns to Scale

May

Chapter 7
Chapter 8

Equilibrium Price
Concepts of Cost and Revenue

July

Chapter 9

Main Forms of Market

1st Unit Test Syllabus

Chapter 2

Elementary Theory of Demand

Term 2

August

Chapter 10
Chapter 11
Chapter 12
Chapter 13

Determination of Income and Employment
Problems of Deficient Demand and Excess Demand
Money and Banking
Balance of Payments

September

Chapter 14
Chapter 15
Chapter 16
Chapter 17

Foreign Exchange Rate
Fiscal Policy
Government Budget
Circular Flow of Income

October

Chapter 18
Chapter 19

National Income and Related Aggregates
Measurement of National Income

Note: The course for Half Yearly and Pre-Board will include all the prescribed topics of March to October.

November

Chapter 1
Chapter 2
Chapter 3
Chapter 4
Chapter 5
Chapter 6

Revision

An Introduction to Micro and Macro Economics
Elementary Theory of Demand
Elasticity of Demand
Consumer Behaviour: Cardinal & Ordinal Utility Analysis
Supply and Elasticity of Supply
Laws of Returns and Returns to Scale

December

Chapter 7
Chapter 8
Chapter 9
Chapter 10
Chapter 11
Chapter 12
Chapter 13

Revision

Equilibrium Price
Concepts of Cost and Revenue
Main Forms of Market
Determination of Income and Employment
Problems of Deficient Demand and Excess Demand
Money and Banking
Balance of Payments

January

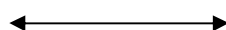
Chapter 14
Chapter 15
Chapter 16
Chapter 17
Chapter 18
Chapter 19

Revision

Foreign Exchange Rate
Fiscal Policy
Government Budget
Circular Flow of Income
National Income and Related Aggregates
Measurement of National Income

February

Revision



COMMERCE

For further details students must go through I.S.C. 2019 Syllabus Booklet.

Term 1

March	Chapter 1 Chapter 2	Business Environment Capital-Fixed and Working
April	Chapter 3 Chapter 4	Sources of Finance for a Joint Stock Company Banking-Latest Trends
May	Chapter 5	Management – Meaning, Nature and Importance
July	Chapter 6	Principles of Management

1st Unit Test Syllabus:

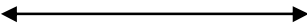
Chapter 3	Sources of Finance for a Joint Stock Company
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Term 2

August	Chapter 7 Chapter 8 Chapter 9 Chapter 10	Functions of Management and Coordination Planning Organising Staffing
September	Chapter 11 Chapter 12 Chapter 13	Directing Controlling Marketing: Concept and Functions
October	Chapter 14 Chapter 15	Marketing Mix Consumer Protection

Note: The course for Half Yearly and Pre-Board will include all the prescribed topics of March to October.

November	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Chapter 6	Revision Business Environment Capital-Fixed and Working Sources of Finance for a Joint Stock Company Banking-Latest Trends Management – Meaning, Nature and Importance Principles of Management
December	Chapter 7 Chapter 8 Chapter 9 Chapter 10 Chapter 11 Chapter 12	Revision Functions of Management and Coordination Planning Organising Staffing Directing Controlling
January	Chapter 13 Chapter 14 Chapter 15	Revision Marketing: Concept and Functions Marketing Mix Consumer Protection
February		Revision



ACCOUNTS

For further details students must go through I.S.C. 2019 Syllabus Booklet.

Term 1

March	Book-1 Chapter 1	Section-A Part I and II Accounting for Partnership Firms-Fundamentals
April	Chapter 2	Admission of a Partner
May	Chapter 3	Retirement and Death of a Partner
July	Chapter 4	Dissolution of a Partnership Firm

1st Unit Test Syllabus

Chapter 1

Accounting for Partnership Firms-Fundamentals

Term 2**August****Book-1**

Chapter 5

Chapter 6

Chapter 7

Chapter 8

Section-A Part I and II

Company Accounts : Issue of Shares

Company Accounts: Issue of Debentures

Company Accounts: Redemption of Debentures

Final Accounts of Companies

September**Book-2**

Chapter 1

Chapter 2

Section-B

Financial Statement Analysis

Comparative Statements and Common-Size Statements

October

Chapter 3

Chapter 4

Cash Flow Statement (Only for Non-Financing Companies)

Ratio Analysis

Note: The course for Half Yearly and Pre-Board will include all the prescribed topics of March to October.**November****Book-1**

Chapter 1

Chapter 2

Chapter 3

Chapter 4

Revision**Section-A Part I and II**

Accounting for Partnership Firms-Fundamentals

Admission of a Partner

Retirement and Death of a Partner

Dissolution of a Partnership Firm

December**Book-1**

Chapter 5

Chapter 6

Chapter 7

Chapter 8

Revision**Section-A Part I and II**

Company Accounts : Issue of Shares

Company Accounts: Issue of Debentures

Company Accounts: Redemption of Debentures

Final Accounts of Companies

January**Book-2**

Chapter 1

Chapter 2

Chapter 3

Chapter 4

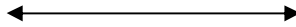
Revision**Section-B**

Financial Statement Analysis

Comparative Statements and Common-Size Statements

Cash Flow Statement (Only for Non-Financing Companies)

Ratio Analysis

February**Revision****MATHEMATICS****Term 1****March**

Chapter 5

Chapter 6

Determinants

Matrices

April

Chapter 7

Chapter 8

Chapter 9

Chapter 10

Chapter 4

Continuity and Differentiability of Functions

Differentiation

Indeterminate Forms of Limits

Mean Value Theorems

Inverse Trigonometric Functions

May

Chapter 11

Chapter 12

Chapter 25

Application of Derivatives

Maxima and Minima

Application of Integrals (Areas of a Curve)

July

Chapter 21

Chapter 22

Chapter 26

Vectors

Vectors (Continued)

Application of Calculus in Commerce and Economics

1st Unit Test Syllabus

Chapter 6

Matrices

Term 2**August**

Chapter 13

Chapter 14

Chapter 15

Chapter 16

Indefinite Integral-1 (Standard Forms)

Indefinite Integral-2 (Methods of Integration)

Indefinite Integral-3 (Special Integrals)

Definite Integrals

	Chapter 17 Chapter 23 Chapter 27	Differential Equations Three Dimensional Geometry Linear Regression
September	Chapter 18 Chapter 19 Chapter 20 Chapter 1 Chapter 2 Chapter 3	Probability (Laws of Probability) Baye's Theorem Theoretical Probability Distribution Relations Functions Binary Operations
October	Chapter 24 Chapter 28	The Plane Linear Programming Revision
November	Chapter 5 Chapter 6 Chapter 7 Chapter 8 Chapter 9 Chapter 10 Chapter 4 Chapter 11 Chapter 12	Determinants Matrices Continuity and Differentiability of Functions Differentiation Indeterminate Forms of Limits Mean Value Theorems Inverse Trigonometric Functions Application of Derivatives Maxima and Minima
December	Chapter 25 Chapter 21 Chapter 22 Chapter 26 Chapter 13 Chapter 14 Chapter 15 Chapter 16 Chapter 17 Chapter 23	Revision Application of Integrals (Areas of a Curve) Vectors Vectors (Continued) Application of Calculus in Commerce and Economics Indefinite Integral-1 (Standard Forms) Indefinite Integral-2 (Methods of Integration) Indefinite Integral-3 (Special Integrals) Definite Integrals Differential Equations Three Dimensional Geometry
January	Chapter 27 Chapter 18 Chapter 19 Chapter 20 Chapter 1 Chapter 2 Chapter 3 Chapter 24 Chapter 28	Revision Linear Regression Probability (Laws of Probability) Baye's Theorem Theoretical Probability Distribution Relations Functions Binary Operations The Plane Linear Programming
February		Revision



PHYSICS

<u>Term 1</u> March	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Experiments-	Electric Charge- Coulomb's Law Concept of Electric Field Gauss' Theorem Electric Potential Capacitance and Dielectrics 1- To determine focal length of a convex lens by U.V. Method (i) 2- To determine focal length of convex lens by U.V. Method (ii) 3- Verify Ohm's Law for the given unknown resistance (say a 100 cm constantan wire). Plot a graph of potential difference (v) versus current (i) from the slope of the graph and length of wire, calculate the resistance per cm of the wire
April	Chapter 6 Chapter 7 Chapter 8 Chapter 9	Sources of current Electric current- Ohm's Law Direct current circuits Electric Power-Heating Effect of Current

	Chapter 10	Thermoelectricity
	Chapter 11	Magnetic Fields
	Chapter 12	Superposition of Magnetic Fields
	Chapter 13	Properties of Magnetic Substances
	Chapter 14	Magnetic Effect of Current
	Chapter 15	Force on a Moving Charge in a Magnetic Field
	Chapter 16	Current Loop as a Magnetic Dipole Moving Coil Galvanometer
	Experiments-	1- To determine focal length of a convex lens by U.V. Method (iii)
		2- 1- To determine focal length of a convex lens by U.V. Method (iv)
		3- 1- To determine focal length of a convex lens by U.V. Method (v)
		4- To compare Electro Motive Force's (E.M.F.s) of two primary cells using a potentiometer
		5- To determine the internal resistance of a primary cell (Leclanche Cell) using potentiometer
		6- To determine the potential gradient (k) of a potentiometer wire.
May	Chapter 17	Electromagnetic Induction
	Chapter 18	Transient Currents
	Chapter 19	Electrical Machines- A.C. Generators
	Chapter 20	Alternating Current Circuits
	Experiments-	1- To determine focal length of a convex lens by u-v method (vi)
		2- To determine focal length of a convex lens by u-v method (vii)
		3- To determine focal length of a convex lens by u-v method (viii)
		4- To find emf of the given dry cell (E)
		5- To study variation of current in series and parallel combination of resistances
July	Chapter 20	Alternating current circuits
	Experiments-	Revision
		1- To determine the resistance of a metallic wire
		2- To determine the focal length of a double convex lens by displacement method (i)
1st Unit Test Syllabus	Chapter 5	Capacitance and Dielectrics
Term 2	Chapter 21	Electromagnetic Waves
August	Chapter 22	Huygen's Principle and Interference
	Chapter 23	Diffraction
	Chapter 24	Polarisation
	Chapter 25	Refraction at a Plane Surface and Prism
	Chapter 26	Refraction at a Spherical Surface
	Chapter 27	Dispersion
	Chapter 28	Optical Instruments
	Chapter 29	Electrons
	Chapter 30	Photoelectric Effect
	Chapter 31	Wave Particle Duality
	Experiments-	1- To determine the focal length of a double convex lens by displacement method (ii)
		2- To determine the focal length of a convex lens by combining it with another lens
		3- To determine the resistance of a wire by wheatstone bridge principle (i)
		4- To determine the resistance of a wire by wheatstone bridge principle (ii)
		5- To determine the resistivity of the material of the given wire
		6- To study balanced wheatstone bridge
September	Chapter 32	Atoms
	Chapter 33	X-Rays
	Chapter 34	Nuclei
	Chapter 35	Radioactivity
	Chapter 36	Nuclear Energy
	Chapter 37	Energy Bands in Solids and Junction Diodes
	Chapter 38	The Junction Transistor

Chapter 39

Chapter 40

Digital Electronics- Logic Gates

Communication Systems

Experiments-

1- Using a meter bridge determine the resistance of about 50.0 cm long constantan wire, measure its length and diameter and hence calculate the specific resistance of the material

2- To verify the Ohm’s Law for a given unknown resistance (a 60.0 cm or 100.0 cm standard resistance wire) by plotting a graph of potential difference versus current. From the slope of the graph and the length of the wire, calculate the resistance per unit length of the wire

3- To determine the focal length of a concave lens using a convex lens

4- To determine the focal length of a concave lens by combining it co-axially with a convex lens (not in contact)

October

Chapter 40

Chapter 41

Communication System

Ray Optics and Optical Instrument

Revision

1- To determine the focal length of a concave lens by combining it co-axially with a convex lens

2- To determine the resistance of a given piece of wire or a coil of wire using post office box

November

Chapter 2

Chapter 4

Chapter 5

Chapter 7

Chapter 9

Chapter 11

Chapter 12

Revision

Concept of Electric Field

Electric Potential

Capacitance and Dielectrics

Electric current- Ohm’s Law

Electric Power-Heating Effect of Current

Magnetic Fields

Superposition of Magnetic Fields

December

Revision

Chapter 14

Chapter 15

Chapter 16

Chapter 17

Chapter 20

Chapter 22

Chapter 23

Chapter 24

Chapter 25

Chapter 27

Chapter 28

Magnetic Effect of Current

Force on a Moving Charge in a Magnetic Field

Current Loop as a Magnetic Dipole Moving Coil Galvanometer

Electromagnetic Induction

Alternating Current Circuits

Huygen’s Principle and Interference

Diffraction

Polarisation

Refraction at a Plane Surface and Prism

Dispersion

Optical Instruments

January

Revision

Chapter 30

Chapter 31

Chapter 32

Chapter 35

Chapter 37

Chapter 38

Chapter 39

Photoelectric Effect

Wave Particle Duality

Atoms

Radioactivity

Energy Bands in Solids and Junction Diodes

The Junction Transistor

Digital Electronics- Logic Gates

February

Revision



CHEMISTRY

Term 1

March

Chapter 1

Chapter 2

Practical Work-

Solid State

Solution

Volumetric Analysis (Titrations)

(i) Potassium manganate (VII)/ammonium iron (ii) Sulphate

April

Chapter 3

Chapter 4

Chapter 5

Electrochemistry

Chemical Kinetics

Surface Chemistry

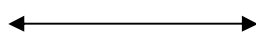
Practical Work-		1- Identification of the compounds and functional groups: (i) Alcoholic group- glycerol (ii) Aldehyde group- Formaldehyde
		2- Qualitative Analysis (Single salt) (i) Anion: CO_3^{2-} , NO_2^- Cation: Group Zero: NH_4^+ Group I: Pb^{2+}
		3- Volumetric Analysis (i) Potassium Manganate (VII)/Oxalic acid
May	Chapter 6	General Principles and Processes of Isolation of Elements
	Chapter 9	Co-ordination compound
	Chapter 7	p-Block Elements
Practical Work-		1- Qualitative analysis (single salt) (i) Anion: NO_3^- , Cl^- , CH_3COO^- (ii) Cation: Group II- Cu^{2+} , Pb^{2+} Group III- Al^{3+} , Fe^{3+}
July	Chapter 7	p-Block Elements
	Chapter 8	d- and f- Block Elements
	Practical Work-	1- Identification of the compounds and functional group (i) Ketonic group- Acetone (ii) Carboxylic group- Benzoic Acid (iii) Amino group- Aniline
<u>1st Unit Test Syllabus</u>		
	Chapter 1	Solid State
<u>Term 2</u>		
August	Chapter 10	Haloalkanes and Haloarenes
	Chapter 11	Alcohols, Phenols and Ethers
	Chapter 12	Aldehydes, Ketones and Carboxylic Acid
Practical Work-		1- Qualitative Analysis (single salt) Anion: SO_4^{2-} , $\text{C}_2\text{O}_4^{2-}$, PO_4^{3-} Cation: group (IV): Zn^{2+} , Mn^{2+} , Ni^{2+} , Co^{2+} 2- Study of rate of reaction (i) Reaction between sodium thiosulphate and hydrochloric acid
September	Chapter 12	Aldehyde, Ketones and Carboxylic Acid
	Chapter 13	Organic compounds containing Nitrogen
	Chapter 14	Biomolecules
Practical Work-		1- Qualitative Analysis (single salt) Anion: Cl^- , SO_4^{2-} , S^{2-} Cation: Group (V): Ba^{2+} , Sr^{2+} , Ca^{2+} Group (VI): Mg^{2+} 2- Study of rate of reaction (i) Reaction between Magnesium and dil Sulphuric acid
October	Chapter 15	Polymer
	Chapter 16	Chemistry in Everyday Life
	Practical Work-	1- Characteristic tests of carbohydrates and proteins 2- Experiments related to pH determination using pH paper or universal indicator 3- Electrochemistry
November		Revision
	Chapter 1	Solid State
	Chapter 2	Solution
	Chapter 3	Electrochemistry
	Chapter 4	Chemical Kinetics
	Chapter 5	Surface Chemistry
December		Revision
	Chapter 6	General Principles and Processes of Isolation of Elements
	Chapter 7	p-Block Elements
	Chapter 8	d- and f- Block Elements
	Chapter 9	Co-ordination compounds
	Chapter 10	Haloalkanes and Haloarenes
	Chapter 11	Alcohols, Phenols and Ethers

January

Chapter 12
Chapter 13
Chapter 14
Chapter 15
Chapter 16

Revision

Aldehyde, Ketones and Carboxylic Acid
Organic compounds containing Nitrogen
Biomolecules
Polymer
Chemistry in Everyday Life

February**Revision****BIOLOGY****Term 1****March**

Chapter 1
Chapter 2

Practical Experiment- 1

Reproduction in organisms
Sexual reproduction in flowering plants
Study of family Malvaceae type-china rose

April

Chapter 3
Chapter 4
Chapter 5
Chapter 6

Practical Experiment- 2**Practical Experiment- 3**

Human Reproduction
Reproductive Health
Principles of Inheritance and Variation
Chromosomes and sex linked inheritance
Study of family Solanaceae type- Petunia
Study of family leguminosae type- sweet pea

May

Chapter 7
Chapter 8

Practical Experiment- 4**Practical Experiment- 5**

Molecular basis of Inheritance
Evolution- origin of life
Study of soil texture from two different sites.
To identify and comment on the following permanent slides-
(i) T.S. of ovary of mammal
(ii) T.S. of testis of mammal
(iii) T.S. of Blastula
(iv) Whole mount of plasmodium sporozoite

July

Chapter 9
Chapter 10

Practical Experiment- 6**Practical Experiment- 7**

Theories of Evolution of Man
Human health and Diseases
To study about the Moisture content of soil from two different sites.
To study about the water holding capacity of soil from two different sites.

1st Unit Test Syllabus

Chapter 1

Reproduction in organisms

Term 2**August**

Chapter 11
Chapter 12
Chapter 13
Chapter 14

Practical Experiment- 8**Practical Experiment- 9****Practical Experiment- 10****Practical Experiment- 11**

Adolescence Issues
Animal Breeding
Plant Breeding
Microbes in Human Welfare
To study about the germinating pollen grain through slide preparation.
To study about the T.S. of ovary to show (i) Marginal placentation, (ii) Axile placentation.
To study about the T.S. of hydrophyte stem
(i) To study about the whole mount of Entamoeba
(ii) Model of Ascaris

September

Chapter 15
Chapter 16
Chapter 17
Chapter 18

Practical Experiment- 12**Practical Experiment- 13****Practical Experiment- 14****Practical Experiment- 15****Practical Experiment- 16**

Biotechnology (Principles and Processes)
Biotechnology and its Applications
Organisms and Populations
Ecosystem
To study about the p^H of soil samples from two different sites.
To study the effect of enzyme (amylase) action at 3 different temperatures and p^H on starch solution
To isolate DNA from available plant material. Ex-Banana.
To study about the L.S. of Monocot and Dicot seeds
Pollination by (i) Insect (ii) Wind

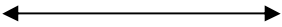
October

Chapter 19
Chapter 20

Practical Experiment- 17**Practical Experiment- 18**

Biodiversity and conservation
Environmental Issues
To study and comment upon ecological adaptations of plants and animals
To study about the arrangement of stomata in dicot and monocot leaves

November	Revision Chapters 1 to 7
December	Revision Chapters 8 to 14
January	Revision Chapters 15 to 20
February	Revision



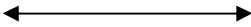
COMPUTER SCIENCE

Term 1		
March	Chapter 1 Chapter 2	Boolean Algebra Computer Hardware
April	Chapter 6 Chapter 7 Chapter 11	Functions/Methods Arrays and Strings Recursion
May	Chapter 3 Chapter 4	Objects and Classes Primitive Values, Type and Casting, Variables and Expressions
July	Chapter 5 Chapter 9	Statements, Control Structure and Scope Java Classes: An OOP Perspective

1st Unit Test Syllabus

Chapter 1	Boolean Algebra
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Term 2		
August	Chapter 14 Chapter 15 Chapter 13	Simple Data Structure Recursive Data Structure Exception Handling
September	Chapter 12 Chapter 10 Chapter 16	Concept of Inheritance Operations on Files Computational Complexity
October	Chapter 11 Chapter 12	Revision Recursion Concept of Inheritance
November	Chapter 14 Chapter 15 Chapter 7	Revision Simple Data Structure Recursive Data Structure Arrays and Strings
December	Chapter 2 Chapter 1 Chapter 10	Revision Computer Hardware Boolean Algebra Operations on Files
January	Chapter 16 Chapter 3 Chapter 6 Chapter 13	Revision Computational Complexity Objects and Classes Functions/Methods Exception Handling
February		Revision



PHYSICAL EDUCATION

Term 1		
March	Chapter 1 Practical	Sociological Aspects of Physical Education Athletics and Badminton
April	Chapter 2 Practical	Training Methods Basketball and Cricket
May	Chapter 3 Practical	Career Aspects in Physical Education Football
July	Chapter 4 Practical	Competitions and Tournaments Hockey
1st Unit Test Syllabus		
	Chapter 1 Practical	Sociological Aspects of Physical Education Cricket and Football
Term 2		
August	Chapter 1 Practical	Sociological Aspects of Physical Education Swimming and Tennis
September	Chapter 5 Practical	Health Education and Health Problems Volleyball
October	Chapter 6 Practical	Sports Injuries and First Aid Cricket and Football
November	Revision Chapter 1 Chapter 5 Practical	Sociological Aspects of Physical Education Health Education and Health Problems Cricket
December	Revision Chapter 2 Practical	Training Methods Football and Volleyball
January	Revision Chapter 3 Chapter 4 Chapter 6 Practical	Career Aspects in Physical Education Competitions and Tournaments Sports Injuries and First Aids Cricket and Football
February		Revision

