

# SYLLABUS

## SESSION: 2018 – 2019

### CLASS – XI

## ENGLISH LANGUAGE

### Term 1

<b>March</b>	Essays	Pg 43 (1) Pg 46 (2)	Reading of Literature Eyes
	Report	Pg 259 (1)	Imagine you are the Head Boy
	Grammar	Pg 317	Act, Back, Bear, Break (make sentences)+ Ex 1+2 Pgs 327, 328
	Compre	Pg 286	Illustrative Passage 1 (Pg 287)
<b>April</b>	Essay	Pg 47 (4)	Luck
		Pg 48 (5)	How travel has been of educational value
		Pg 56 (10)	Inspiration
	Letter Grammar	Pg 260 (2) Pg 331	An Article for your School Magazine (Ex 1+2) Pgs 333+334 (Ex 1, 2, 3)
<b>May</b>	Essay	Pg 57 (11)	A foreigner will visit..... Incredible India
		Pg 70 (20)	Three people who brought Glory to the country
		Pg 142 (70)	Courage does not mean.....Courage does not mean.....
		Pg 287	(Illustrative Passage 2) Pg 288
	Grammar	Pg 318	(Bring) and (Call)
		Pg 343-346	Ex. 1 to 10
<b>July</b>	Essay	Pg 82 (28)	Stars
		Pg 144 (71)	Grandparents are a source of joy
		Pg 178 (95)	'We live in deeds not in years
		Pg 260 (3)	Visited a Tourist destination
	Grammar Report Compre	Pgs 352-355	Ex. 1 to 3

### 1<sup>st</sup> Unit Test Syllabus

Report	Article for School Magazine
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### Term 2

<b>August</b>	Essays	Pg 99 (40)	Secularism
		Pg 105 (44)	No pain, no palm.....
		Pg 184 (99)	The small things we own are.....
		Pg 261 (4)	Certificate or Testimonial
	Report Grammar Compr	Pg 318	Carry-Come Pg 318 (Make sentences) Pg 356 (Ex 4+5)
		Pg 289	Illustrative Example 1
<b>September</b>	Essays	Pg 81 (27)	The Century (20 <sup>th</sup> Century) that was!
		Pg 121 (56)	Sweet are the uses of adversity
		Pg 198 (109)	First Impressions are not
		Pg 262 (5)	The Interact Club of your School
	Report Grammar	Pg 319	Cut, Do, Drop, Draw, Pg 361, 362 (Ex 1-10)
<b>October</b>	Essays Report Grammar	Pg (59)	Ragging
		Pg 263 (6)	Visit to the Taj Mahal
		Pg 364	Ex Pg 365, 366 (Ex 1,2)

### Term 3

<b>November</b>	Essays	Pg 206 (115)	Old Age Homes are becoming a reality
		Pg 209 (117)	Time not spent in studying is time wasted
		Pg 264 (7)	An Unavoidable Accident
		Pg 292-294	Unsolved Ex-1
	Report Compre Grammar	Pgs 319, 320	Fall, Get (Make sentences)
		Pgs 368-370	Ex. 1 to 4
<b>December</b>	Essay	Pg 166(87)	An interesting account of a view of your town
		Pg 215 (121)	Most important talent a person needs .....
		Pg 219 (123)	Advertisement is becoming a nuisance
		Pg 265 (8)	Indian Sports star shines
	Report Compre Grammar	Pgs 294-296	Ex. 2
		Pgs 320-321	Give, Go (Make sentences)

January

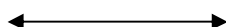
Revision

February

Revision

### 2<sup>nd</sup> Unit Test Syllabus

Essay	Argumentative
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<b><u>Term 1</u></b>		
<b>March</b>	<b>Play</b> <b>Poetry</b> <b>Prose</b>	Act 1 Sc 1 (Pgs 35-39) + Work Book (pgs 34-42) The Darkling Thrush + Work Book (pgs 15, 16, 17) Salvatore + Work Book (pgs 15-21)
<b>April</b>	<b>Play</b> <b>Poetry</b> <b>Prose</b>	Act 1 Sc 2 (lines 1-100) + Work Book (pgs 47-50) Dolphins + Work Book (pgs 40-43) Fritz + Work Book (pgs 32-37)
<b>May</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 1 Sc 2 (lines 101-321) + Work Book (pgs 52-54, 55-56) The Gift of India + Work Book (pgs 51-54) Quality + Work Book (pgs 47-55)
<b>July</b>	<b>Play</b> <b>Poetry</b> <b>Prose</b>	Act 1 Sc 2 (lines 320-503) + Work Book (pgs 57-66-70) Crossing the Bar + Work Book (pgs 62-66) --
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>	<b>Prose</b>	Fritz
<b><u>Term 2</u></b>		
<b>August</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 2 Sc 1 (Pgs 74-84) (lines 1-140) + Work Book (pgs 74-81) John Brown + Work Book (pgs 75-78) The Story of an Hour+ Work Book (pgs 81-87)
<b>September</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 2 Sc 2 (lines 141-320) Pgs 84-96 + Work Book (pgs 82-86) Desiderata + Work Book (pgs 87-90) The Chinese Statue + Work Book (pgs 97-103)
<b>October</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 2 Sc 2 (lines 1-187) Pgs 98-108 + Work Book (pgs 89-98) Spider and the Fly + Work Book (pgs 112-114) --
<b><u>Term 3</u></b>		
<b>November</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 3 Sc 1 (lines 1-95) Pgs 108-114 + Work Book (pgs 101-112) We are the Music Makers + Work Book (pgs 122-125) A Gorilla in the Guest Room + Work Book (pgs 115-121)
<b>December</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 3 Sc 2 (lines 1-147) Pgs 114-122 + Work Book (pgs 114-122) -- The Singing Lesson + Work Book (pgs 133-141)
<b>January</b>	<b>Play</b>  <b>Poetry</b> <b>Prose</b>	Act 3 Sc 3 (lines 1-110) Pgs 124-130 + Work Book (pgs 126-136) -- --
<b>February</b>		<b>Revision</b>
<b><u>2<sup>nd</sup> Unit Test Syllabus</u></b>		A Gorilla in the Guest Room

↔  
HINDI LANGUAGE

<b><u>Term 1</u></b>		
<b>March</b>	fglUnh 0; kdj . k eat nkk% fucdk  vi fBr x   kdk egkojs "kq yfku yokkDr; k	1- ejs thou dk y{; 2- iozh; LFky dh l j wfoLej .kh; ; k=k½ 3- i qrd& , d mRre l kFkh l q; k 1] 2] wH; kl ekyk½ ist u- 232] 1 l s10 ist u- 204 ist u- 260 1 l s8

	I ųevFkųkn okD; "kų	ist u- 208 ist u- 217
April	fucųk	1- ejųųhou dk y{; 2- vfoLej.kh; ; k=k 3- iųrd , d mRre l kFkh 4- ųkn&fookn ifr; kųxrk 5- vk/kųud f"k{kų iz kkyh 6- foKku%ojnku ; k vfHk"kki 1 l s5 ist u- 232 l s234] 1 l s30 ist u- 260 l s261] 9 l s26
May	fucųk  vi fBr x   kųk egkojs ykųkųDr; kų	7- egxkbų 8- ejk vkn"ų& ejųv/; ki d 9- nųk dks dų k urk pkfg, \ ist u- 217 l s220 ist u- 235] 31 l s41 ist u- 205 6] 7
July	fucųk egkojs I ųe vFkų Hkn vi fBr x   kųk	10- eukųat u ds vk/kųud l k/ku ist u- 236] 42 l s51 ist u- 209 8] 9
<b>1<sup>st</sup> Unit Test Syllabus</b>		
<b>Term 2</b>		
August	fucųk  egkojs okD; "kų "kų yųku vi fBr x   kųk	egkojs ykųkųDr; kų okD; "kų] I ųe vFkų Hkn  11- okf'kųd [kydm fnol 12- fių urk 13- , d Lej.kh; /kkfeųd& LFky dh ; k=k 14- ouka dk egRRo ist u- 237] 52 l s63 ist u- 221] 222 ist u- 206 10] 11] 12
September	fucųk  I ųe vFkų Hkn ykųkųDr; kų "kų yųku egkojs	15- R; kųkjka dk egRRo 16- fu/kųrk 17- nųk ių 18- vkpkj%i jekųke% ist u- 210 ist u- 262] 27 l s41 ist u- 207 ist u- 238] 64 l s73
<b>Term 3</b>		
October	fucųk  okD; "kų egkojs  vi fBr x   kųk I ųe vFkų Hkn	19- fe=rk 20- ejk fių dfo dchj ist u- 223] 224 ist u- 239] 240] 74 l s95  13] 14] 15 ist u- 211
November	fucųk  vi fBr x   kųk okD; "kų egkojs ykųkųDr; kų	21- nųhvkin k HkųdEi 22- fųdų dk [ky 23- Hkųjrh; d'kd 24- jk'Vh; Hkų'kk fgųnh 16] 17 ist u- 225] 226 ist u- ist u- 242] 96 l s116 ist u- 263] 42 l s55

**December** "kq̄ y[ku ½ykdksDr; k½  
l ½e vFkz Hkn  
fuczk

vi fBr x | kzk  
okD; "kq̄  
l ½e vFkz Hkn  
fuczk

**January** fuczk

vi fBr x | kzk  
okD; "kq̄

**February** vi fBr x | kzk  
okD; "kq̄  
l ½e vFkz Hkn  
fuczk

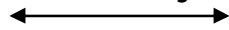
ist u- 267  
ist u- 212  
25- vf"kk fodkl eack/kd  
26- Nk= vkj vuqkkl u  
27- lekplj i= vkj orzku ; q  
18] 19  
ist u- 227] 228  
ist u- 212

28- , d v/; ki d dh vkRedFkk  
29- l e; dk egRRo  
30- gekjk l; kjk Hkkjro'kz  
20] 21  
ist u- 229] 230

22  
ist u- 231  
ist u- 213  
**Revision**

## 2<sup>nd</sup> Unit Test Syllabus

okD; "kq̄ djks fuczk ½u/kurk] egxkb] vf"kk fodkl eack/kd]  
Nk= vkj vuqkkl u½



### Term 1

**March** Xk | l dyu&ikB 1

**April** dk0; eatjh&ikB 1  
Xk | l dyu&ikB 1  
vk'kk<+dk , d fnu

**May** dk0; eatjh&ikB 2  
Xk | l dyu&ikB 2

**July** Xk | l dyu&ikB 3  
vk'kk<+dk , d fnu

### 1<sup>st</sup> Unit Test Syllabus

### Term 2

**August** vk'kk<+dk , d fnu  
Xk | l dyu&ikB 4  
5

**September** dk0; eatjh&ikB 3  
4

**October** vk'kk<+dk , d fnu  
dk0; eatjh&ikB 5

### Term 3

**November** Xk | l dyu&ikB 6  
dk0; eatjh&ikB 6

**December** dk0; eatjh&ikB 7  
vk'kk<+dk , d fnu

**January** vk'kk<+dk , d fnu  
Xk | l dyu&ikB 1  
Xk | l dyu&ikB 2

**February** dk0; eatjh&ikB 1  
dk0; eatjh&ikB 2  
vk'kk<+dk , d fnu

## 2<sup>nd</sup> Unit Test Syllabus

## HINDI LITERATURE

i e i e ½apn½

l k[th ½dchj nkl ½  
i e i e ½apn½  
½ad , d½

cky yhyk ½jinkl ½  
xkjh ½tknk dekj plgku½

"kj.kkxr ½onkou yky oek½  
½ad , d½

"kj.kkxr ½onkou yky oek½

½ad nk½  
l rh ½"kokuh½  
vkmV l kbMj ½ekyrh tks'kh½  
, dQy dh pkg ½l ; kjke "kj.k xlrk½  
vk%/kjrhdruk nrh ½½e=kunu i r½

½ad nk½  
unh ds }hi ½vKs ½

nkl h ½t; "kdj i d kn½  
ryl h nkl ds in ½ryl h nkl ½

tkx r q dks nj tkuk ½egknoh oek½  
½ad , d½

½ad nk½  
i e i e ½apn½  
xkjh ½tknk dekj plgku½

l k[th ½dchj nkl ½  
cky yhyk ½jinkl ½  
½ad , d , oan½

**Revision**  
nkl h ½t; "kdj i d kn½



**ECONOMICS**

For further details students must go through I.S.C. 2020 Syllabus Booklet.

**Term 1**

<b>March</b>	Chapter 1	Definitions of Economics
<b>April</b>	Chapter 2 Chapter 3	Basic Concepts of Economics Basic Problems of an Economy
<b>May</b>	Chapter 4	Types of Economies
<b>July</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4	Definitions of Economics Basic Concepts of Economics Basic Problems of an Economy Types of Economies

**1st Unit Test Syllabus:**

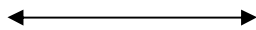
Chapter 1	Definitions of Economics
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**Term 2**

<b>August</b>	Chapter 15 Chapter 16 Chapter 17 Chapter 18 Chapter 19 Chapter 20	An Introduction to Statistics Collection of Data. Organisation of Data Tabular Presentation Diagrammatic Presentation Graphic Presentation
<b>September</b>	Chapter 21 Chapter 22 Chapter 23	Measures of Central Tendency Measures of Dispersion Correlation
<b>October</b>	Chapter 24 Chapter 25	Index Numbers Some Mathematical Tools used in Economics
<b>Term 3</b>		
<b>November</b>	Chapter 5 Chapter 6 Chapter 7 Chapter 8	Introduction to Indian Economic Development Parameters of Development Five Year Plans in India Structural Changes in the Indian Economy Since 1991
<b>December</b>	Chapter 9 Chapter 10 Chapter 11 Chapter 12	Problem of Poverty Rural Development Human Capital Formation in India Employment Growth, Informalisation and other Issues-Problems and Policies
<b>January</b>	Chapter 13 Chapter 14	Economic Growth and Development Sustainable Economic Development.
<b>February</b>		<b>Revision</b>

**2nd Unit Test Syllabus**

Chapter 5	Introduction to Indian Economic Development
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**COMMERCE**

For further details students must go through I.S.C. 2020 Syllabus Booklet.

**Term 1**

<b>March</b>	Chapter 1 Chapter 2	Classification of Human Activities Classification of Business Activities
<b>April</b>	Chapter 3 Chapter 4	Objectives of Business Forms of Business Organisation
<b>May</b>	Chapter 5	Sole Trader or Sole Proprietorship
<b>July</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5	Classification of Human Activities Classification of Business Activities Objectives of Business Forms of Business Organisation Sole Trader or Sole Proprietorship

**1<sup>st</sup> Unit Test Syllabus:**

Chapter 2

Classification of Business Activities

**Term 2****August**Chapter 6  
Chapter 7  
Chapter 8Partnership  
Joint Stock Company  
Formation of a Company**September**Chapter 9  
Chapter 10  
Chapter 11Public Sector Undertakings and Global Enterprises  
Cooperative Organisation  
Social Responsibility of Business and Business Ethics**October**

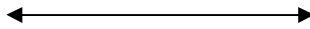
Chapter 12

Emerging Modes of Business

**Term 3****November**Chapter 13  
Chapter 14  
Chapter 15  
Chapter 16  
Chapter 17Stock Exchange  
Wholesale Trade  
Retail Trade  
Documents and Procedure Used in Home Trade  
Role of Chambers of Commerce and Industry and Trade Associations**December**Chapter 18  
Chapter 19  
Chapter 20Nature and Scope of Foreign Trade  
Import and Export Trade Procedure  
Documents Involved in International Trade**January**Chapter 21  
Chapter 22  
Chapter 23World Trade Organisation  
Business Risks and Insurance  
Types of Insurance**February****Revision****2<sup>nd</sup> Unit Test Syllabus**

Chapter 13

Stock Exchange

**ACCOUNTS****For further details students must go through I.S.C. 2020 Syllabus Booklet.****Term 1****March**Chapter 1  
Chapter 2Introduction to Accounting  
Generally Accepted Accounting Principles (GAAP) and Accounting Standards**April**Chapter 3  
Chapter 4Accounting Equations  
Journal and Ledger**May**

Chapter 7

Trial Balance

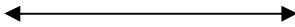
**July**Chapter 1  
Chapter 2Introduction to Accounting  
Generally Accepted Accounting Principles (GAAP) and Accounting StandardsChapter 3  
Chapter 4  
Chapter 7Accounting Equations  
Journal and Ledger  
Trial Balance**1st Unit Test Syllabus**

Chapter 2

Generally Accepted Accounting Principles (GAAP) and Accounting Standards

**Term 2****August**Chapter 5  
Chapter 6  
Chapter 8  
Chapter 9Sub-Division of Journal-I (Cash Book)  
Sub-Division of Journal-II (Subsidiary Books)  
Bank Reconciliation Statement  
Depreciation Accounting**September**Chapter 10  
Chapter 11Bills of Exchange  
Capital and Revenue Items

	Chapter 12 Chapter 13	Provisions and Reserves Final Accounts without Adjustments
<b>October</b>	Chapter 14	Final Accounts with Adjustments
<b><u>Term 3</u></b>		
<b>November</b>	Chapter 15 Chapter 16	Rectification of Errors Accounts from Incomplete Records
<b>December</b>	Chapter 17 Chapter 18	Accounts of Non-trading Organisations Computers in Accounting
<b>January</b>	Chapter 19	Selection of an Accounting Software Package
<b>February</b>		<b>Revision</b>
<b><u>2<sup>nd</sup> Unit Test Syllabus</u></b>	Chapter 15	Rectification of Errors

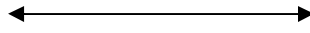


## MATHEMATICS

<b><u>Term 1</u></b>		
<b>March</b>	Chapter 9	Complex Numbers
<b>April</b>	Chapter 26	Points and Their co-ordinates in 3- Dimensions
<b>May</b>	Chapter 30	Index Numbers
<b>July</b>	Chapter 9 Chapter 26 Chapter 30	Complex Numbers Points and Their co-ordinates in 3- Dimensions Index Numbers
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>	Chapter 9	Complex Numbers
<b><u>Term 2</u></b>		
<b>August</b>	Chapter 10 Chapter 11 Chapter 13 Chapter 20 Chapter 23 Chapter 31	Quadratic Equations Inequalities Binomial Theorem Measures of Central Tendency Parabola Moving Average
<b>September</b>	Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7	Angles and Arc Lengths Trigonometrical Functions Compound and Multiple Angles Trigonometric Equations Properties of Triangle
<b>October</b>	Chapter 24 Chapter 29	Ellipse Correlation Analysis
<b><u>Term 3</u></b>		
<b>November</b>	Chapter 15 Chapter 16 Chapter 17 Chapter 21 Chapter 22	Basic Concepts of Points and Their Coordinates The Straight Line Circle Measures of Dispersion Probability
<b>December</b>	Chapter 8 Chapter 14 Chapter 18 Chapter 19	Mathematical Induction Sequence and Series Limits Differentiation
<b>January</b>	Chapter 1 Chapter 2 Chapter 12 Chapter 25 Chapter 27 Chapter 28	Sets Relations and Functions Permutations and Combinations Hyperbola Mathematical Reasoning Statistics

**February**  
**2<sup>nd</sup> Unit Test Syllabus**  
 Chapter 16

**Revision**  
 The Straight Line



**PHYSICS**

**Term 1**  
**March**

Chapter 1  
 Module 1  
 Module 2  
**Experiment- 1**  
 Physical World  
 Introduction  
 Measurement  
 To measure diameter of a small spherical/cylindrical body using a vernier callipers

**April**

Chapter 1  
 Module 3  
 Chapter 2  
 Chapter 3  
**Experiment- 1**  
**Experiment- 2**  
 Physical World  
 Accuracy and Errors  
 Dimensions  
 Dimensional Analysis  
 Vectors, Scalars and Elementary Calculus  
 To find the diameter of a wire using a micrometer screw gauge  
 To determine the radius of curvature of a given spherical surface like watch glass using spherometer

**May**

Chapter 3  
**Experiment- 1**  
 Vectors, Scalars and Elementary calculus  
 To measure diameter of a small spherical/cylindrical body using a vernier callipers

**July**

Chapter 1  
 Module 1  
 Module 2  
 Module 3  
 Chapter 2  
 Chapter 3  
**Experiment- 1**  
**Experiment- 2**  
**Experiment- 3**  
 Physical World  
 Introduction  
 Measurement  
 Accuracy and Errors  
 Dimensions  
 Dimensional Analysis  
 Vectors, Scalars and Elementary calculus  
**Revision**  
 To measure the diameter of a small spherical / cylindrical body using a vernier callipers  
 To find the diameter of a wire using a micrometer screw gauge  
 To determine the radius of curvature of a given spherical surface like watch glass using spherometer

**1<sup>st</sup> Unit Test Syllabus**

Chapter 1  
 Module 1  
 Module 2  
 Module 3  
 Physical World  
 Introduction  
 Measurement  
 Accuracy and Errors

**Term 2**  
**August**

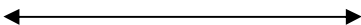
**Chapter 4**  
 Module 1  
 Module 2  
 Module 3  
 Module 4  
 Module 5  
 Chapter 5  
**Experiment- 1**  
**Experiment- 2**  
 Dynamics  
 Uniformly Accelerated Motion  
 Projectile motion and Relative Velocity in Two Dimensions  
 Laws of Motion  
 Work, Energy and Power  
 Concurrent forces  
 Friction  
 To find the force of kinetic friction for a wooden block placed on a horizontal surface and to study its relationship with normal reaction. To determine the coefficient of friction.  
 To find the acceleration due to gravity by measuring the variation in the time period (T) with effective length (L) of a simple pendulum; plot graphs of T versus  $\sqrt{L}$  and  $T^2$  versus L.

**September**

Chapter 6  
 Chapter 7  
 Module 1  
 Module 2  
 Motion In Fluids  
 Circular Motion  
 Uniform Circular Motion  
 Rotational Motion



	Chapter 8 Chapter 9 Module 1 Module 2 <b>Experiment- 1</b>  <b>Experiment- 2</b>	Gravitation Properties of Matter Elasticity Surface Tension To find weight of a given body using the parallelogram law of vectors To find the downward force along an inclined plane, acting on a roller due to gravitational pull of earth and study its relationship with angle of inclination ( $\theta$ ) by plotting a graph, between force and $\sin \theta$ .
<b>October</b>	Chapter 9 Module 3 Module 4  <b>Experiment- 1</b>	Properties of Matter Kinetic Theory of Gases Temperature <b>Revision</b> To find the force constant of helical spring by plotting a graph between load and extension
<b><u>Term 3</u></b> <b>November</b>	Chapter 10 Module 1 Module 2 Chapter 11 Chapter 12 <b>Experiment- 1</b>  <b>Experiment- 2</b>	Internal Energy Internal Energy Heat Engines Thermal Conduction Thermal Radiation To study the relationship between the temperature of a hot body and time by plotting a cooling curve To find the speed of sound in air at room temperature using a resonance tube by two resonance positions
<b>December</b>	Chapter 12 Chapter 13 <b>Experiment- 1</b>  <b>Experiment- 2</b>	Thermal Radiation Oscillations To determine the velocity of sound by resonance tube and also calculate the end correction To study the relation between frequency and length of a given wire under constant tension using sonometer
<b>January</b>	Chapter 14 Module 1 Module 2 Module 3 Module 4 <b>Experiment- 1</b>	Waves Wave Motion Sound Waves Superposition of waves Doppler Effect To study the relation between the length of a given wire and tension for constant frequency by using sonometer
<b>February</b>		<b>Revision</b>
<b><u>2<sup>nd</sup> Unit Test Syllabus</u></b>	Chapter 11	Thermal Radiation



**CHEMISTRY**

<b><u>Term 1</u></b> <b>March</b>	Chapter 1 <b>Practical Work</b>	Some Basic concepts of Chemistry Basic Techniques in laboratory 1- Cutting of glass tube
<b>April</b>	Chapter 2 <b>Practical Work</b>	Structure of Atom Basic techniques in laboratory 1- Bending a glass tube 2- Drawing a glass jet
<b>May</b>	Chapter 2 <b>Practical Work</b>	Structure of Atom Basic Techniques in laboratory 1- Boring a cork
<b>July</b>	Chapter 1 Chapter 2 Chapter 3	Some Basic concepts of Chemistry Structure of Atom Classification of Elements and Periodicity in Properties

**Practical Work**

1- Basic Techniques in Laboratory

i- Cutting of Glass Tube

ii- Bending a Glass Tube

iii- Drawing a Glass Jet

iv- Boring a Cork

2-

i- Salt analysis: Zero group ( $\text{NH}_4^+$ ), anion:  $\text{Cl}^-$  and  $\text{CO}_3^{2-}$ ii- First group of  $\text{Pb}^{2+}$  cation, anion:  $\text{NO}_3^-$ **1<sup>st</sup> Unit Test Syllabus**

Chapter 1

Some Basic concepts of Chemistry

**Term 2****August**

Chapter 4

Chapter 5

Chapter 6

**Practical Work**

Chemical Bonding and Molecular Structure

States of Matter: Gases and Liquids

Chemical Thermodynamics

1- Acid-Base titration involving molarity

i- Sodium carbonate solution/dil  $\text{H}_2\text{SO}_4$  or dil HCl using methyl orange indicator

2- Salt analysis

i- group (II)  $\text{Cu}^{2+}$  and  $\text{Pb}^{2+}$ , group (III)  $\text{Al}^{3+}$  and  $\text{Fe}^{3+}$ ,Anion:  $\text{SO}_4^{2-}$ ,  $\text{Cl}^-$ ,  $\text{CH}_3\text{COO}^-$ **September**

Chapter 6

Chapter 7

Chapter 8

**Practical Work**

Chemical Thermodynamics

Equilibrium,

Redox Reaction

1- Acid-Base titration involving molarity

i- NaOH or KOH solution/dil  $\text{H}_2\text{SO}_4$  or dil HCl using methyl orange indicator

2- Preparation of inorganic compound

i- Preparation of potash alum/Mohr's salt

3- Salt analysis:

Group (IV)  $\text{Zn}^{2+}$ ,  $\text{Mn}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{CO}^{2+}$  Anion  $\text{PO}_4^{3-}$ ,  $\text{NO}_2^-$ **October**

Chapter 9

Chapter 10

**Practical Work**

Hydrogen

s-Block Elements

1- Preparation of inorganic compound

i- Preparation of crystalline  $\text{FeSO}_4/\text{CuSO}_4$ 

2- Salt analysis

i- Group (V)  $\text{Ba}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Ca}^{2+}$ **Term 3****November**

Chapter 11

Chapter 12

**Practical Work**

Some p-Block Elements

Organic chemistry: Some basic principles and techniques

1- Salt analysis

Group (VI)  $\text{Mg}^{2+}$ , Anion  $\text{S}^{2-}$ ,  $\text{Br}^-$ **December**

Chapter 12

Chapter 13

Chapter 14

**Practical Work**

Organic chemistry

Hydrocarbon

Environmental Chemistry

1- Paper chromatography

2- Titration

**January**

Chapter 14

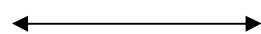
**Practical Work**

Environmental Chemistry

**Revision****February****Revision****2<sup>nd</sup> Unit Test Syllabus**

Chapter:

Equilibrium (Chemical and ionic)

**BIOLOGY****Term 1****March****Practical**

Chapter 1

**Experiment- 1**

The Living World

To study the parts of dissecting microscope and

Compound microscope

**April**

Chapter 1

Chapter 2

Chapter 3

The Living World

Five Kingdom of Classification

Kingdom Monera

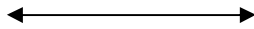
	Chapter 4	Kingdom Protista
	Chapter 5	Kingdom Fungi
<b>Practical</b>	<b>Experiment- 1</b>	To study the parts of dissecting and compound Microscopes
<b>Practical</b>	<b>Experiment- 2</b>	Food tests: Starch and Glucose
<b>May</b>	Chapter 6	Plant Kingdom
<b>Practical</b>	<b>Experiment- 3</b>	Demonstration of Plasmolysis Using Onion Bulb
<b>Practical</b>	<b>Experiment- 4</b>	Identification of the following specimens- (i) Liverworts, (ii) Moss, (iii) Pinus, (iv) Mushroom, (v) Bamboo (Monocot plant), (vi) Dicot plant (Petunia), (vii) Sponge, (viii) Hydra, (ix) Sponge, (x) Leech
<b>July</b>	Chapter 1	The Living World
	Chapter 2	Five Kingdom of Classification
	Chapter 3	Kingdom Monera
	Chapter 4	Kingdom Protista
	Chapter 5	Kingdom Fungi
	Chapter 6	Plant Kingdom
<b>Practical</b>	<b>Experiment- 1</b>	To study the parts of dissecting and compound Microscopes
<b>Practical</b>	<b>Experiment- 2</b>	Food tests: Starch and Glucose
<b>Practical</b>	<b>Experiment- 3</b>	Demonstration of Plasmolysis Using Onion Bulb
<b>Practical</b>	<b>Experiment- 4</b>	Identification of the following specimens- (i) Liverworts, (ii) Moss, (iii) Pinus, (iv) Mushroom, (v) Bamboo (Monocot plant), (vi) Dicot plant (Petunia), (vii) Sponge, (viii) Hydra, (ix) Sponge, (x) Leech
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>		
	Chapter 1	The Living World
<b><u>Term 2</u></b>		
<b>August</b>	Chapter 7	Animals Kingdom
	Chapter 8	Morphology of Flowering Plants
	Chapter 9	Plant Tissues
	Chapter 10	Animal Tissues
	Chapter 11	Cockroach
<b>Practical</b>	<b>Experiment- 5</b>	Demonstration of osmosis in living plant cells (Potato osmoscope)
<b>Practical</b>	<b>Experiment- 6</b>	Effect of different CO <sub>2</sub> concentrations on the rate of photosynthesis
<b>September</b>	Chapter 12	Cells the unit of life
	Chapter 13	Biomolecules
	Chapter 14	Enzymes
	Chapter 15	Cell cycle and cell division
<b>Practical</b>	<b>Experiment- 7</b>	T.S. of Dicot and Monocot stem
<b>Practical</b>	<b>Experiment- 8</b>	Identification of the following specimens and stained preparations- (i) Fern, (ii) Tapeworm, (iii) Rohu Fish, (iv) Silkworm, (v) Bacteria, (vi) Spirogyra, (vii) Amoeba, (viii) Yeast, (ix) Blood cells
<b>October</b>	Chapter 16	Transport in Plants
	Chapter 17	Mineral Nutrition
<b>Practical</b>	<b>Experiment- 9</b>	Preparation of temporary slides of Mucor or Rhizopus
<b><u>Term 3</u></b>		
<b>November</b>	Chapter 18	Photosynthesis
	Chapter 19	Cellular respiration in Plants
	Chapter 20	Plant growth and development
	Chapter 21	Seed Dormancy
<b>Practical</b>	<b>Experiment- 10</b>	T.S. of Monocot and dicot root
<b>Practical</b>	<b>Experiment- 11</b>	Food tests- (i) Sucrose, (ii) Fats, (iii) Proteins
<b>December</b>	Chapter 22	Photomorphogenesis
	Chapter 23	Digestion and Absorption
	Chapter 24	Breathing and Exchange of gases
	Chapter 25	Body fluids and circulation
<b>Practical</b>	<b>Experiment- 12</b>	To study the effect of thawing, heat or alcohol on permeability of beet root cells.
<b>Practical</b>	<b>Experiment- 13</b>	Morphology and modification of roots. Stems and leaves

<b>January</b>	Chapter 26 Chapter 27 Chapter 28 Chapter 29	Excretion Locomotion and Movement Neural control and coordination Chemical coordination and integration
<b>Practical</b>	<b>Experiment- 14</b>	Preparation of temporary slides of- onion peel (to study the plant cell)
<b>Practical</b>	<b>Experiment- 15</b>	To comment on physical set up in physiology- (i) Osmosis, (ii) Transpiration, (iii) Photosynthesis, (iv) transpiration pull

**February****Revision****2<sup>nd</sup> Unit Test Syllabus**

Chapter 18

Photosynthesis



**CLASS XI  
COMPUTER SCIENCE SYLLABUS  
(REVISED / AUGUST)**

**Term 1****March**Chapter 1  
Chapter 8Data Representation  
General OOP Concept**April**Chapter 9  
Chapter 10  
Chapter 11Introducing Java  
Java Fundamentals  
Flow of Control**May**Chapter 12  
Chapter 15Classes in Java  
Arrays**July**Chapter 13  
Chapter 14  
Chapter 1  
Chapter 8  
Chapter 9  
Chapter 10  
Chapter 11  
Chapter 12  
Chapter 15Functions (Methods)  
Using Library Classes  
Data Representation  
General OOP Concept  
Introducing Java  
Java Fundamentals  
Flow of Control  
Classes in Java  
Arrays**1<sup>st</sup> Unit Test**

Chapter 1

Data Representation

**Term 2****August**

Chapter 2

Propositional Logic, Hardware implementation, Arithmetic Operations

Chapter 3  
Chapter 4General OOP Concepts  
Introducing Java**September**Chapter 5  
Chapter 6Java Fundamentals  
Flow of control**October**

Chapter 7

Classes in Java

**Term 3****November**Chapter 11  
Chapter 8  
Chapter 9Arrays  
Functions  
Program errors types and Basic exception handling**December**Chapter 10  
Chapter 12  
Chapter 13Using Library Classes and Packages  
Operations on files  
Trends in computing and ethical issues**January****Revision****February****Revision****2<sup>nd</sup> Unit Test Syllabus**

Chapter 8

Functions



PHYSICAL EDUCATION

<b><u>Term 1</u></b>		
<b>March</b>	Chapter 1 <b>Practical</b>	Concept of Physical Education Cricket and Football
<b>April</b>	Chapter 2 <b>Practical</b>	Individual Aspects and Group Dynamics Hockey and Basketball
<b>May</b>	Chapter 3 <b>Practical</b>	Effects of Physical Exercise on Human Body Systems Cricket
<b>July</b>	Chapter 1 <b>Practical</b>	Concept of Physical Education Cricket and Football
<b><u>1<sup>st</sup> Unit Test</u></b>		
	Chapter 1 <b>Practical</b>	Concept of Physical Education Cricket and Football
<b><u>Term 2</u></b>		
	Chapter 1 <b>Practical</b>	Concept of Physical Education Cricket, Football and Hockey
<b>September</b>	Chapter 2 <b>Practical</b>	Individual Aspects and Group Dynamics Basketball and Volleyball
<b>October</b>	Chapter 3 Chapter 4	Effects of Physical Exercise on Human Body Systems Nutrition, Weight Control and Exercise
<b><u>Term 3</u></b>		
<b>November</b>	Chapter 5 <b>Practical</b>	Physical Fitness and Wellness Cricket and Football
<b>December</b>	Chapter 6 <b>Practical</b>	Games and Sports- A Global Perspective Swimming, Athletics and Volleyball
<b>January</b>	Revision Chapter 2 <b>Practical</b>	Individual Aspects and Group Dynamics Badminton and Tennis
<b>February</b>	Revision Chapter 1 Chapter 3 Chapter 4 Chapter 5	Concept of Physical Education Effects of Physical Exercise on Human Body Systems Nutrition, Weight Control and Exercise Physical Fitness and Wellness
<b><u>2<sup>nd</sup> Unit Test Syllabus</u></b>		
	Chapter 5 <b>Practical</b>	Physical Fitness and Wellness Cricket and Football

