

# SYLLABUS

SESSION 2018–19

CLASS–X

## ENGLISH LANGUAGE

### Term 1

#### March

##### **Essays**

Pg. 79 (28)

Pg. 118 (57)

##### **Letter**

Pg. 254 (26)

Pg. 269 (40)

##### **Comprehension**

Pgs. 302, 303, 304

##### **Grammar**

Pg. 393

Pg. 394

Hobbies are a waste of time.

Walk home from school one afternoon.

President of the Nature Club.

Traffic jam in your city/town.

Exercise 3.

Exercise 1+2

Exercise 3, 4, 5

#### April

##### **Essay**

Pg. 41 (1)

Pg. 55 (11)

Pg. 71 (22)

##### **Letters**

Pg. 232 (5)

Pg. 236 (9)

##### **Comprehension**

Pgs. 305, 306, 307

##### **Grammar**

Pgs. 394, 395

The use of mobile phones.

Cinema entertains and educates.

Of all the subjects you are studying.

A visit to a historical Place

A friend absent from school.

Exercise 5

Exercise 6, 7, 8, 9, 10

#### May

##### **Essays**

Pg. 172 (96)

Pg. 48 (6)

Pg. 129 (65)

##### **Letter**

Pg. 229 (2)

Pg. 240 (13)

Pg. 239 (12)

##### **Comprehension**

Pgs. 304, 305

##### **Grammar**

Pg. 397, 398

Elements of western culture.

Modes of communication are changing.

Children's Day is celebrated.

You are to be awarded a special prize.

You wish to become a journalist.

Your mother has won the national award.

Exercise 4

Exercise 1, 2

#### July

##### **Essays/Letters**

Pg. 253 (25)

Pg. 259 (31)

Pg. 263 (34)

##### **Reading & Listening Skill**

Pg. 407

##### **Grammar**

Pgs. 435, 436

Break time in school.

Your school has contributed a large sum of money.

Children in your neighbourhood.

Moods + Pg. 413, 414

Questions 4

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

Essays:

Reflective

### Term 2

#### August

##### **Essay**

Pg. 85 (33)

Pg. 139 (72)

Pg. 142 (74)

Pg. 197 (116)

##### **Letter**

Pg. 275 (45)

##### **Comprehension**

Pgs. 308, 309, 310

##### **Grammar + Listening Skill**

Should the use of Polythene be banned.

Spectator at a Cricket match.

You have lived in your ancestral house.

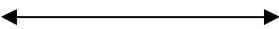
Story (A suitcase, a photograph and a soldier

Your immediate neighbour plays loud music.

Exercise 7

Pgs. 404+405 (2)+Pgs. 409+410

September	<b>Essays</b> Pg. 47 (5) Pg. 136 (70) Pg. 157 (85)	Money causes more harm than good. A weekly market scene in your area. Rivers and Lakes are interesting.
	<b>Letters</b> Pg. 257 (29) Pg. 276 (46) Pg. 279 (49) Pg. 290 (Ex. 3)	A company marketing spurious medicine. Local police complaining of a theft. You are the Manager of a reputed firm. You are incharge of the social welfare club.
	<b>Grammar</b> Pg. 340, 341, 342	Exercise 1, 2, 3, 4, 5, 6 + 7)
October	<b>Essay</b> Pg. 113 (54) Pg. 150 (80)	It is better to have brain and beauty. You have interviewed a famous person.
	<b>Letters</b> Pg. 233 (6) Pg. 266 (37)	You have acquired an unusual pet. Editor about the poor condition of roads.
	<b>Comprehension</b> Pg. 310 (8), 311 and 312 (9)	
	<b>Grammar</b>	
		<b>Revision</b>
November		<b>Revision-</b> Essays/Comprehensions
December		<b>Revision-</b> Letters/Grammar
January		<b>Revision-</b> Letters/Comprehensions
February		<b>Revision</b>



ENGLISH LITERATURE

<b><u>Term 1</u></b>		
March	<b>Play</b>	Act IV Sc 1 (lines 313) – Shy: Most learned judge! A sentence! Come Prepare!)
	<b>Prose</b>	The Blue Bead
	<b>Poetry</b>	___ + Text + Work Book
April	<b>Play</b>	Act IV Sc 1 & 2 (lines 314) – Portia: Tarry ..... Bass: Come Antonio)
	<b>Prose</b>	All summer in a Day
	<b>Poetry</b>	___ + Text + Work Book
May	<b>Play</b>	Act V Sc 1 (lines 1-177) + Text Work Book
	<b>Prose</b>	___ + Text + Work Book
	<b>Poetry</b>	The Bangle Sellers + Text + Work Book
July	<b>Play</b>	Act V Sc 1 (lines 178-327) + Text Work Book
	<b>Prose</b>	___ + Text + Work Book
	<b>Poetry</b>	The Patriot + Text + Work Book
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>		
		All summer in a Day
<b><u>Term 2</u></b>		
August	<b>Play</b>	Work Book + Act 1 Sc 1 and 2
	<b>Prose</b>	Work Book + The Old Man at the Bridge
	<b>Poetry</b>	Work Book + Heart of a tree
September	<b>Play</b>	Work Book + Act 1 Sc 3
	<b>Prose</b>	Work Book + A Horse and two goats
	<b>Poetry</b>	Work Book + The Cold Within + After Blenheim
October	<b>Play</b>	<b>Revision</b> Work Book + Act 2 Sc 1 and 2
	<b>Prose</b>	<b>Revision</b> Work Book + Hearts and Hands
	<b>Poetry</b>	<b>Revision</b> Work Book + Television

<b>November</b>	<b>Play</b> <b>Prose</b> <b>Poetry</b>	<b>Revision-</b> Act 2 Sc 3 and 4 <b>Revision-</b> Face in the Dark + Work Book <b>Revision-</b> Daffodils
<b>December</b>	<b>Play</b> <b>Prose</b> <b>Poetry</b>	<b>Revision-</b> Act 2 Sc 5, 6 and 7 <b>Revision-</b> My Greatest Olympic Prize <b>Revision-</b> Abou Ben Adham
<b>January</b>	<b>Play</b> <b>Prose</b> <b>Poetry</b>	<b>Revision-</b> Act 2 Sc 8 and 9 <b>Revision-</b> Angels in disguise <b>Revision-</b> Nine Gold Medals
<b>February</b>		<b>Revision</b>

## HINDI LANGUAGE

## Term 1

<b>March</b>	i Lrko&29	; fn vki i fyi vf/kdkjh gkrs
	30	nijn"ku dh mi; kfxrk
	31	i d k" k i o z nhi koyh
	32	foKku ojnku ; k vfHk" kki
	dgkuh&9	t k d k s j k [ k s l k b ; k ; -----
	i = 1/4 k s 0 1/2	; k s f" k { k k d s l E c f u / k e a f" k { k k f u n s' k d d k s
	35	l ekpj i = d s l E i k n d d k s 1/4 " k h y s i n k F k k d s l o u 1/2
	36	l ekpj i = d s l E i k n d d k s 1/4 " k h y s i n k F k k d s l o u 1/2
	vifBr x   k k	i" B l d ; k 199 1/4   k k 8] 9] 10 1/2
	, dkFkd	i" B l d ; k 271 1/2 l s 30 1/2
	opu ifjorU	i" B l d ; k 1/2 26 l s 230 1/2
<b>April</b>	i Lrko&33	v i j k / k d h l e k f l r d s f y , e R ; n M
	34	n i j s x g d h d k Y i f u d ; k = k
	dgkuh&11	> B d s i k p u g h a g k r s
	12	? k j d k H k s h y a d k < k ,
	i = 1/4 u k s p k f j d 1/2 & 7	d { k k e a e u u y x k i k u s d k d k j . k -----
	8	f o n s' k e a j g u s o k y s f e = d k s L o r U = r k -----
	9	G k M s H k k b z l s " k r z t h r t k u s i j [ k k l H k k /
	i = 1/4 k s p k f j d 1/2 & 19	i k F k f e d f p f d R l k i f" k { k . k -----
	20	L o k L F ; v f / k d k j h d k u x j e a 0 ; k l r x a n x h -----
	21	u x j f u x e v / ; { k d k s e k g Y y e a c k y m   k u
	37	f" k { k k d b n k s d s v k l & i k l " k j k c d h n p k u k a -----
	38	u o o' k z d h i o z l d ; k i j l k o z t f u d -----
	i ; k z o k p h	i" B l d ; k 254 n o l s i e
	foyke	i" B l d ; k 262
	vu d k F k h z	i" B l d ; k 268 f o' k e l s { k s =
	mi l x z	i" B l d ; k 280
	okP; ifjorU	i" B l d ; k 284] 285
	orU h	i" B l d ; k 292
	okD; " k k s k u	i" B l d ; k 304] 306
	egkojs	i" B l d ; k 314 1/61 l s 77 1/2
	y k d k s D r ; k j	i" B l d ; k 318 l s 319 1/61 l s 46 1/2
<b>May</b>	i Lrko&35	H k k j r d s , f r g k f l d ; k / k k f e z l L F k y d h ; k = k
	36	f o t ; d k i r h d n" k g j k
	37	f o   k y ; d k o k f' k d k k l o
	38	i z f r d k l a n s k
	dgkuh&13	i j m i n s' k d q k y c g r j s -----
	14	b z' o j t k s d j r k g s v P N k -----
	i = 1/4 k s p k f j d 1/2 & 7	f d l h i f = d k d s f u ; f e r -----
	23	t y k i f i r z v f / k d k j h d k s -----
	24	l g i k B h d h c g k n j h l s l E c f u / k r
	okD; k k k	i" B l d ; k 276 1/61 l s 103 1/2

July dky ifjorū  
okP; ifjorū  
i = vks pkfjd 25

i'B l d; k 287 l s 289  
i'B l d; k 285 l s 287  
[kk | inkFkk ea feykoV-----

### Unit Test Syllabus

vks pkfjd i = 18 l s 38]  
egkoj}  
okP; ifjorū

### Term 2

#### **August**

i Lrko&39  
40  
41  
42  
43

foykē  
vifBr x | kāk  
i ; k; okph  
okD; "kōku  
egkojs  
ykdksDr; k;  
vks pkfjdi = 26

I gikBh ds xqkka dk o. kū  
; fn vki i kpk; Z gks-----  
vki dh fi z i krd-----  
#i ; s dh vkRedFkk-----  
HkzVkpj  
i'B l d; k 263  
11] 12] 13] i'B l d; k 202 l s 205  
i'B l d; k 255 cñj l s ok; q  
i'B l d; k 306 l s 308  
i'B l d; k 315 ¼8 l s 100½  
i'B l d; k 320 l s 321 ¼7 l s 64½  
fuokpu vk; Ør dks jktuhfr-----

#### **September**

vks pkfjdi = 39  
40  
27  
28  
29  
30  
31  
32  
33  
34  
i Lrko& 1 vH; kl & 1  
, dkFkd  
okD; kāk  
i R; ;

fc tyh dh pkjh ds l Ecl/k ea  
egxkbz ij fpark idV djsr---  
vi us xkp eamPp ek/; fed----  
fo | ky; ka ea id'sk l Ec/kh fu; eks---  
valfo"okl , oara= ea----  
cd dh pdcpl [kks tkus ij---  
Mkd 0; oLFkk l qkkjus ds fy, Mkdi ky---  
Ok<rs vij/kks dh vkj /; ku----  
vkn; kfxd bdkb; ka ds dkj .k c<fk inrk.k  
vošk fuekZk dh l eL; k dh vkj----  
fpfM+ k?kj dh l j  
i'B l d; k 272 ¼31 l s 41½  
i'B l d; k 277 ¼404 l s 119½  
i'B l d; k 281 l s 283

#### **October**

i Lrko& 2 vH; kl & 2  
Dgkuh y[ku  
vks pkfjdi = 12  
13  
vH; kl 1

, d vkunnk; d ; k=k  
vDy cMh fd Hk  
ou egkBl o ds l cāk eafirkth dks i=  
vki dh Nk/h cgu ij h{kk ea vuqfh. kZ gks xbz g&  
l kRouk i =  
fe= dks vius tlefnu dk fuea.k i =  
**Revision**

### Term 3

#### **November**

i Lrko vH; kl 3  
4  
5  
6  
7  
8  
i =  
fp= ij vk/kkfjr dgkuh  
egkojs

osfdrkcsftlga vki i <uk pkgra gš  
e"khuh l H; rk  
LokLF; gh thou gš  
i kr% dky dk o. kū  
i kdfrd vkin k dk n";  
uko dh ; k=k ¼ukšk fogkj ½  
i'B l d; k 156 ¼4/H; kl 4] 5½  
i'B l d; k 125  
i'B l d; k 316 ¼101 l s 116½

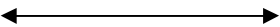
#### **December**

dgkuh y[ku  
  
i =

ft l dh ykBh ml dh Hk  
, d eNyh l kjs rkyk cks--  
, d vks , d X; kj g  
fpj kx rys valkj  
[kknk i gkM+fudyh pf; k  
Lkok djs l ksep k i k;  
i'B l d; k 157 ¼4/H; kl 6] 7] 10½

January

**Revision**  
1- i Lrko] i =] dgkuh] fp= ij vk/kkfjr dgkuh  
2- 0; kogkfjd 0; kdj.k ¼vifBr x | kàk½  
d&Hkkookpd  
[k&fo"ksk.k  
x&okD; ifjorŰ  
?k&rRI e  
M-&orŰh  
p&i ; kŰ okph  
N&foyke  
t&egkojs  
>&ykdŰDr; k;  
´&okD; "kŰ  
V&mi l xŰ  
B&i R; ;  
M&d ky ifjorŰ  
<&okP; ifjorŰ



HINDI LITERATURE

**Term 1**

March	I kfgR; I kxj ¼x   ½ , dkadh I p;	8- tkeu dk i M+ 5- egkHkkjr dh , d I ka>
April	I kfgR; I kxj ¼x   ½ , dkadh I p;	9- HkMa vŰŰ HkŰM+ 5- egkHkkjr dh , d I ka>
May	I kfgR; I kxj ¼i   ½ , dkadh I p;	8- fHk{kŰ 5- egkHkkjr dh , d I ka>
July	I kfgR; I kxj ¼x   ½	8- tkeu dk i M+ 9- HkMa vŰŰ HkŰM+

**Unit Test Syllabus**

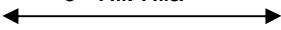
**Term 2**

August	I kfgR; I kxj ¼x   ½ I kfgR; I kxj ¼i   ½ , dkadh I p;	10- nks dykdj 9- pyuk gekjk dke 6- nhi nku
September	I kfgR; I kxj ¼i   ½ , dkadh I p;	10- ekr` efinj dh vŰŰ 6- nhi nku
October	I kfgR; I kxj ¼i   ½ I kfgR; I kxj ¼x   ½	<b>Revision</b> 9- pyuk gekjk dke 1- ckr vBUuh dh 2- dkdh 3- egk; K dk ijLdkj 4- usk th dk p"ek
November	I kfgR; I kxj ¼i   ½	1- I k[kh 2- dMfy; k; 3- LoxŰcuk I drsgŰ
December	, dkadh I p;	1- I Ldkj vŰŰ Hkkouk 2- cgw dh fonk 3- ekrHkie dk eku

January , dkdh l p;  
l kfgR; l kxj ¼x | ½  
  
l kfgR; l kxj ¼i | ½

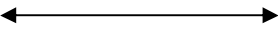
February , dkdh l p;

4- l v[ khMkyh  
6- cMs?kj dh cVh  
7- l ng  
6- fou; dsin  
7- l j dsin  
5- egkhkjr dh , d l ka  
6- nhi nku



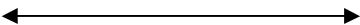
HISTORY & CIVICS

<b>Term 1</b>		
<b>March</b>	<b>Civics</b> Chapter 1 <b>History</b> Chapter 1 Chapter 2	The Union Parliament  The First War of Independence (1857) Factors Promoting Nationalism and Foundation of the Indian National Congress
<b>April</b>	<b>Civics</b> Chapter 2  Chapter 3  <b>History</b> Chapter 3 Chapter 4 Chapter 5	The Union Executive: The President and the Vice-President of India. The Union Executive: The Prime Minister, the Cabinet and the Council of Ministers  Programme and Achievements of the Early Nationalists The Rise of Assertive Naionalism The Partition of Bengal and the Swadeshi Movement
<b>May</b>	<b>History</b> Chapter 6 Chapter 7	Factors Leading to the Formation of Muslim League The National Movement During the First World War
<b>July</b>	<b>Civics</b> Chapter 4	The Union Judiciary, The Supreme Court
<b>1<sup>st</sup> Unit Test</b>	<b>Syllabus</b>	
	<b>History</b> Chapter 1	The First War of Independence (1857)
<b>Term 2</b>		
<b>August</b>	<b>History</b> Chapter 8 Chapter 9 Chapter 10  Chapter 11 <b>History</b> Chapter 5	National Movements 1919-1934 The Cripps Mission and Quit India Movement Subhash Chandra Bose: Forward Block and the Indian National Army Independence and the Partition of India  The State Judiciary, The High Courts
<b>September</b>	<b>History</b> Chapter 12 Chapter 13 Chapter 14 Chapter 15 Chapter 16	The First World War (1914-1918) Rise of Dictatorships The second World War (1939-1945) The United Nations Organisation Major Agencies of the United Nations
<b>October</b>	<b>Civics</b> Chapter 6 <b>History</b> Chapter 17	The Subordinate Courts  Non Aligned Movement
<b>November</b>	Revision Chapter 1 Chapter 4	The Union Parliament The Union Judiciary, The Supreme Court
<b>December</b>	Revision Chapter 6	The Subordinate Courts
<b>January</b>	Revision Chapter 17	Non Aligned Movement
<b>February</b>		<b>Revision</b>



GEOGRAPHY

<b><u>Term 1</u></b>		
<b>March</b>	Chapter 3 Chapter 4	Location Extent and Physical Features of India Climate of India
<b>April</b>	Chapter 5 Chapter 6 <b>Map Work</b>	Soil in India Natural Vegetation of India River Map of India
<b>May</b>	Chapter 7 <b>Toposheet</b>	Water Resources Topographical Map
<b>July</b>	Chapter 8	Minerals and Energy Resources in India
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>		
	Chapter 4	Climate of India
<b><u>Term 2</u></b>		
<b>August</b>	Chapter 9 Chapter 10 Chapter 11	Agriculture in India Industries in India Transport in India
<b>September</b>	Chapter 12 <b>Map Work</b>	Waste Generation and Management River Map of India
<b>October</b>		Revision of Toposheet and Map
<b>November</b>	Revision Chapter 5 Chapter 6	Soil in India Natural Vegetation of India
<b>December</b>	Revision Chapter 4 Chapter 9	Climate of India Agriculture in India
<b>January</b>		Revision of River Map & Topo Sheet
<b>February</b>		<b>Revision</b>



PHYSICS

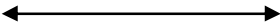
<b><u>Term 1</u></b>		
<b>March</b>	Chapter 1 Chapter 2 Experiments:	Force Machines 1- To find the mass of the given metre scale. 2- To use metre rule as a lever with different possibilities eg: $MA < VR$ , $MA = VR$ , $MA > VR$ .
<b>April</b>	Chapter 3 Chapter 4 Experiments:	Work, Energy and Power Refraction at Plane Surface 1- To determine the VR and MA of a given pulley system.  2- To trace the course of different rays of light through a rectangular glass prism at different angles of incidence, measure the angles of incidence, refraction and emergence. Also measure the lateral displacement.
<b>May</b>	Chapter 4 Chapter 5 Experiments:	Refraction at Plane Surfaces Refraction through a lens 1- To determine the focal length of a convex lens by the distant object method. 2- Determine the focal length of a convex lens by using a needle and a plane mirror.
<b>July</b>	Chapter 5 Chapter 6	Refraction through a lens Spectrum and colours <b>Revision</b>

Experiments:

- 1- To find the focal length of a convex lens using u-v method and the formula  $f = \frac{uv}{u+v}$   
2- To study the variation of the angle of deviation of a ray of light passing through a prism with angle of incidence and to verify  $\angle i_1 + \angle i_2 = \angle A + \delta$  and  $\angle r_1 + \angle r_2 = \angle A$

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

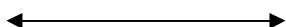
<b>Term 2</b>	Chapter 1	Force
<b>August</b>	Chapter 7 Chapter 8 Chapter 9 Experiments:	Sound Current Electricity Electrical Power and Household circuits 1- To trace the course of light ray incident normally ( $i=0^\circ$ ) on different types of prisms and also to measure the angle of deviation $\delta$ . 2- To calculate the specific heat of the material of the given calorimeter, from the temperature readings and masses of cold water, warm water and its mixture taken in the calorimeter. 3- To determine the specific heat of a metal by the method of mixtures.
<b>September</b>	Chapter 10 Chapter 11 Chapter 12 Experiments:	Electromagnetism Calorimetry Radioactivity and Nuclear Energy 1- To determine the specific latent heat of ice. 2- To verify Ohm's Law and hence find the value of an unknown resistance. 3- To set-up a model of household wiring circuit including main wiring circuit and to study the functions of switches and fuses.
<b>October</b>	Chapter 12	Radioactivity and Nuclear Energy <b>Revision</b>
<b>November</b>	Chapter 1 Chapter 2 Chapter 3	<b>Revision</b> Force Machines Work, Energy and Power
<b>December</b>	Chapter 4 Chapter 5 Chapter 6 Chapter 7	<b>Revision</b> Refraction of Plane Surfaces Refraction through a lens Spectrum and Colours Sound
<b>January</b>	Chapter 8 Chapter 9 Chapter 10 Chapter 11	<b>Revision</b> Current Electricity Electrical Power and Household Circuits Electromagnetism Calorimetry
<b>February</b>	Chapter 12	<b>Revision</b> Radioactivity and Nuclear Energy



**CHEMISTRY**

<b>Term 1</b>	Chapter 1	Periodic Table and Variations of Periodic Properties: Physical and Chemical
<b>March</b>	Chapter 2	Chemical Bonding
<b>April</b>	Chapter 2 Chapter 3 Chapter 4	Chemical Bonding Study of Acids, Bases and Salts Analytical Chemistry: Use of ammonium hydroxide and sodium hydroxide and Standard Tests

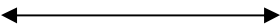
	Practical Work:	1- Action of sodium hydroxide (NaOH) and Ammonium hydroxide (NH <sub>4</sub> OH) solution on certain metallic salts. 2- Action of Heat on given substances.
<b>May</b>	Chapter 5 A Chapter 5 B  Practical Work:	Mole concept and Stoichiometry Empirical and Molecular formulae, and calculations Based on chemical equations 1- Recognition and Identification of Gases 2- Distinction between an Acidic and Alkaline solution
<b>July</b>	Chapter 6 Chapter 7  Practical Work:	Electricity Metallurgy (Metals and Non-metals, comparison of metals and non-metals. Extraction of metals based on activity) Identification of ions Revision
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>		
	Chapter 1	Periodic table and variations of periodic properties: Physical and chemical
<b><u>Term 2</u></b>		
<b>August</b>	Chapter 7 Chapter 8 A Chapter 8 B Chapter 8 C Project Work:	Metallurgy (Metals and their alloys) Study of compounds: Hydrogen chloride (HCl) Study of compounds: Ammonia Study of Compounds: Nitric acid and Nitrates Identification of ions
<b>September</b>	Chapter 8 D Chapter 9	Study of compounds: Sulphuric Acid Organic Chemistry
<b>October</b>	Chapter 10	Practical Chemistry
<b>November</b>	Chapter 1  Chapter 2 Chapter 3	<b>Revision</b> Periodic table and variations of periodic properties: Physical and Chemical Chemistry Bonding Study of Acids, Bases and Salts
<b>December</b>	Chapter 4 Chapter 5 A Chapter 5 B Chapter 6	Analytical chemistry Mole concept and stoichiometry Empirical and molecular formulae Electrochemistry
<b>January</b>	Chapter 8  Chapter 9 Chapter 10	Study of compounds: Hydrogen chloride (HCl), Ammonia, (NH <sub>3</sub> ) Nitric Acid (HNO <sub>3</sub> ) and nitrates, Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) Organic Chemistry Practical Chemistry
<b>February</b>		<b>Revision</b>



## BIOLOGY

<b><u>Term 1</u></b>		
<b>March</b>	Chapter 1 <b>Experiment- 1</b> <b>Experiment- 2</b>	Cell Cycle and Cell Division Observation of permanent slides of stages of Mitosis. To demonstrate diffusion using potassium permanganate in water.
<b>April</b>	Chapter 2 Chapter 3 Chapter 4  <b>Experiment- 3</b> <b>Experiment- 4</b>	Structure of Chromosome Genetics Absorption by Roots  Demonstration of osmosis using potato osmoscope. Demonstration of Transpiration using Bell jar.
<b>May</b>	Chapter 5 Chapter 6 <b>Experiment- 5</b>	Ascent or Rise of water Transpiration Demonstration of uptake of water and the rate of transpiration using Ganong's Potometer.

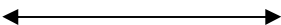
July	Chapter 7 Chapter 8 <b>Experiment- 6</b>	Photosynthesis Chemical Coordination in Plants To show the release of O <sub>2</sub> during photosynthesis using hydrilla plant.
<b><u>1<sup>st</sup>Unit Test Syllabus</u></b>	Chapter 1	Cell Cycle and Cell Division
<b><u>Term 2</u></b> <b>August</b>	Chapter 9 Chapter 10 Chapter 11 Chapter 12 <b>Experiment- 7</b>	Circulatory System Human Excretory System Nervous System Endocrine System To show the necessity of light and CO <sub>2</sub> during photosynthesis
<b>September</b>	Chapter 13 Chapter 14 Chapter 15 Chapter 16 <b>Experiment- 8</b>  <b>Experiment- 9</b>	Reproductive System Papulation Human Evolution Theories of Evolution Identification of the structure of the urinary system, heart and brain through Models and Charts. Identification of the internal structure of the Eye and Ear.
<b>October</b>	Chapter 17 <b>Experiment- 10</b>	Pollution Identification and location of selected endocrine glands Adrenal, Pancreas, Thyroid and Pituitary glands.
<b>November</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5	<b>Revision</b> Cell Cycle and Cell Division Structure of Chromosome Genetics Absorption by Roots Ascent or Rise of water
<b>December</b>	Chapter 6 Chapter 7 Chapter 8 Chapter 9 Chapter 10	<b>Revision</b> Transpiration Photosynthesis Chemical Coordination in Plants Circulatory System Human Excretory System
<b>January</b>	Chapter 11 Chapter 12 Chapter 13 Chapter 14 Chapter 15	<b>Revision</b> Nervous System Endocrine System Reproductive System Papulation Human Evolution
<b>February</b>	Chapter 16 Chapter 17	<b>Revision</b> Theories of Evolution Pollution



**MATHEMATICS**

<b><u>Term 1</u></b> <b>March</b>	Chapter 1 Chapter 2 Chapter 3	Value Added Tax Banking Shares and Dividends
<b>April</b>	Chapter 4 Chapter 5  Chapter 6 Chapter 7 Chapter 8	Linear Inequations in One Variable Quadratic Equations  Ratio and Proportion Factor Theorem- Factorization Matrices
<b>May</b>	Chapter 18 Chapter 19 Chapter 20	Arithmetic Mean, Median, Mode and Quartiles Histogram and Ogive Probability

<b>July</b>	Chapter 16 Chapter 17	Trigonometrical Identities and Tables Heights and Distances
<b><u>1<sup>st</sup> Unit Test Syllabus</u></b>	Chapter 5	Quadratic Equations
<b><u>Term 2</u></b> <b>August</b>	Chapter 15 Chapter 9 Chapter 10	Three Dimensional Solids Arithmetic and Geometric Progression Reflection
<b>September</b>	Chapter 12 Chapter 13 Chapter 14	Similar Triangles Loci Circle
<b>October</b>	Chapter 11	Coordinate Geometry
<b>November</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7	<b>Revision</b> Value Added Tax Banking Shares and Dividends Linear Inequations in One Variable Quadratic Equations Ratio and Proportion Factor Theorem- Factorization
<b>December</b>	Chapter 8 Chapter 9 Chapter 10 Chapter 11 Chapter 12 Chapter 13 Chapter 14	<b>Revision</b> Matrices Arithmetic and Geometric Progression Reflection Coordinate Geometry Similar Triangles Loci Circle
<b>January</b>	Chapter 15 Chapter 16 Chapter 17 Chapter 18 Chapter 19 Chapter 20	<b>Revision</b> Three Dimensional Solids Trigonometrical Identities and Tables Heights and Distances Arithmetic Mean, Median, Mode and Quartiles Histogram and Ogive Probability
<b>February</b>		<b>Revision</b>



**ECONOMICS**

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

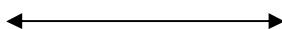
<b><u>Term 1</u></b> <b>March</b>	Chapter 1 Chapter 2	The Productive Mechanism Land
<b>April</b>	Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7	Labour Efficiency of Labour Capital and Capital Formation Entrepreneur Theory of Demand
<b>May</b>	Chapter 8 Chapter 9 Chapter 10 Chapter 11	Elasticity of Demand Theory of Supply Elasticity of Supply Scope of Public Finance
<b>July</b>	Chapter 12 Chapter 13 Chapter 14	Public Revenue Public Expenditure Public Debt

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

	Chapter 3	Labour
<b><u>Term 2</u></b>		
<b>August</b>	Chapter 15 Chapter 16	Money Inflation
<b>September</b>	Chapter 17 Chapter 18	Banking: Commercial Banks Central Banking
<b>October</b>	Chapter 19	Consumer Awareness

**Note: The course for Half Yearly & Pre-Boards will be including all the prescribed topics of March to October.**

<b>November</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Chapter 6	<b>Revision</b> The Productive Mechanism Land Labour Efficiency of Labour Capital and Capital Formation Entrepreneur
<b>December</b>	Chapter 7 Chapter 8 Chapter 9 Chapter 10 Chapter 11 Chapter 12 Chapter 13 Chapter 14	<b>Revision</b> Theory of Demand Elasticity of Demand Theory of Supply Elasticity of Supply Scope of Public Finance Public Revenue Public Expenditure Public Debt
<b>January</b>	Chapter 15 Chapter 16 Chapter 17 Chapter 18 Chapter 19	<b>Revision</b> Money Inflation Banking: Commercial Banks Central Banking Consumer Awareness
<b>February</b>		<b>Revision</b>



## **COMMERCIAL STUDIES**

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

### **Term 1**

<b>March</b>	Chapter 1 Chapter 2	Stakeholders in Commercial Organisations Marketing: Meaning and Objectives
<b>April</b>	Chapter 3 Chapter 4 Chapter 5 Chapter 6	Product and Service Pricing Advertising Sales Promotion
<b>May</b>	Chapter 7 Chapter 8	Consumer Protection E-Commerce
<b>July</b>	Chapter 9 Chapter 10	Capital and Revenue Final Accounts of a Sole Trader (Meaning & Preparation of Trading Account, Profit & Loss Account & Balance Sheet, Numerical)

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

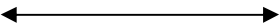
	Chapter 1	Stakeholders in Commercial Organisations
<b>Term 2</b>		
<b>August</b>	Chapter 11 Chapter 12	Fundamental Concept of Costs Budgeting
	Chapter 13 Chapter 14 Chapter 15	Sources of Finance Recruitment and Selection Training of Employees
<b>September</b>	Chapter 16 Chapter 17 Chapter 18 Chapter 19 Chapter 20 Chapter 21	Industrial Relations and Trade Unions Social Security Logistics: An Overview Transportation Warehousing Insurance
<b>October</b>	Chapter 22 Chapter 23 Chapter 24 Chapter 25	Banking Banking Transactions Financial Fraudulent Practices Government Initiatives in Environment Protection
<b>Note:</b> The course for Half Yearly & Pre-Boards will be including all the prescribed topics of March to October.		
<b>November</b>	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7 Chapter 8 Chapter 9 Chapter 10	<b>Revision</b> Stakeholders in Commercial Organisations Marketing: Meaning and Objectives Product and Service Pricing Advertising Sales Promotion Consumer Protection E-Commerce Capital and Revenue Final Accounts of a Sole Trader (Meaning & Preparation of Trading Account, Profit & Loss Account & Balance Sheet, Numerical)
<b>December</b>	Chapter 11 Chapter 12 Chapter 13 Chapter 14 Chapter 15 Chapter 16 Chapter 17 Chapter 18 Chapter 19 Chapter 20	<b>Revision</b> Fundamental Concept of Costs Budgeting Sources of Finance Recruitment and Selection Training of Employees Industrial Relations and Trade Unions Social Security Logistics: An Overview Transportation Warehousing
<b>January</b>	Chapter 21 Chapter 22 Chapter 23 Chapter 24 Chapter 25	<b>Revision</b> Insurance Banking Banking Transactions Financial Fraudulent Practices Government Initiatives in Environment Protection
<b>February</b>		<b>Revision</b>



**COMPUTER APPLICATIONS**

<b>Term 1</b>		
<b>March</b>	Chapter 1 Chapter 2 Chapter 4	Concepts of Objects The Java Phenomenon Java Fundamentals
<b>April</b>	Chapter 5 Chapter 6 Chapter 7 Chapter 8	Programming in Java Conditional Structures Repetitive Structure The Math Class

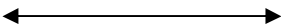
May	Chapter 12	String Manipulation
July	Chapter 12 Chapter 10	String Manipulation The Class
<b><u>1<sup>st</sup>Unit Test Syllabus</u></b>		
	Chapter 7	Repetitive Structure
<b><u>Term 2</u></b>		
August	Chapter 13 Chapter 9 Chapter 11	Arrays Functions/Methods Constructors
September	Chapter 14 Chapter 15 Chapter 16	Console Input/Output Encapsulation Errors
October	Chapter 16	Errors
November	Chapter 6 Chapter 7 Chapter 12	<b>Revision</b> Conditional Structures Repetitive Structure String Manipulation
December	Chapter 13 Chapter 9 Chapter 11 Chapter 16	<b>Revision</b> Arrays Functions/Methods Constructors Errors
January	Chapter 15 Chapter 14 Chapter 10 Chapter 4	<b>Revision</b> Encapsulation Console Input/Output The Class Java Fundamentals
February		<b>Revision</b>



HOME SCIENCE

<b><u>Term 1</u></b>		
March	Chapter 1	Colour and its Application
April	Chapter 2 Chapter 3 Chapter 4	Fabrics for Furnishing Lighting in the Home Space Organization in the Kitchen
May	Chapter 5 Chapter 6	Management of Money Fundamentals of Banking
July	Chapter 7 Chapter 8	Growth and Development During Middle Childhood Growth and Development During Adolescence
<b><u>1<sup>st</sup>Unit Test Syllabus</u></b>		
	Chapter 1	Colour and its Application
<b><u>Term 2</u></b>		
August	Chapter 9 Chapter 10  Chapter 11	Hygiene and Personal Grooming during Adolescence Emotional Concerns and Behavioural Patterns of Adolescents Role of Family, Peer Group and School in the Life of an Adolescent
September	Chapter 12 Chapter 13	Meal Planning Hygienic Handling and Storage of Food
October	Chapter 14 Chapter 15	Care of Textiles and Clothing Consumer Education

<b>November</b>	Chapter 1 Chapter 2 Chapter 3	<b>Revision</b> Colour and its Application Fabrics for Furnishing Lighting in the Home
<b>December</b>	Chapter 4 Chapter 5 Chapter 6 Chapter 7 Chapter 8 Chapter 9	<b>Revision</b> Space Organization in the Kitchen Management of Money Fundamentals of Banking Growth and Development During Middle Childhood Growth and Development During Adolescence Hygiene and Personal Grooming during Adolescence
<b>January</b>	Chapter 10  Chapter 11  Chapter 12 Chapter 13 Chapter 14 Chapter 15	<b>Revision</b> Emotional Concerns and Behavioural Patterns of Adolescents Role of Family, Peer Group and School in the Life of an Adolescent Meal Planning Hygienic Handling and Storage of Food Care of Textiles and Clothing Consumer Education
<b>February</b>		<b>Revision</b>



PHYSICAL EDUCATION

<b><u>Term 1</u></b> <b>March</b>	Chapter 1 <b>Practical</b>	Personal Health Cricket and Football
<b>April</b>	Chapter 2 <b>Practical</b>	Diseases, Defects and Injury Handball and Hockey
<b>May</b>	Chapter 3 <b>Practical</b>	Community Health Cricket and Football
<b>July</b>	Chapter 2 <b>Practical</b>	Diseases, Defects and Injury Cricket and Football
<b><u>1<sup>ST</sup>Unit Test Syllabus</u></b>	Chapter 2 <b>Practical</b>	Diseases, Defects and Injury Cricket and Football
<b><u>Term 2</u></b> <b>August</b>	Chapter 4 <b>Practical</b>	First Aid Basket Ball and Volleyball
<b>September</b>	Chapter 4 <b>Practical</b>	First Aid Softball
<b>October</b>	Chapter 1 <b>Practical</b>	Personal Health Cricket and Football
<b>November</b>	Chapter 2 <b>Practical</b>	Diseases, Defects and Injury Handball and Volleyball
<b>December</b>	Chapter 3 <b>Practical</b>	Community Health Basketball
<b>January</b>	Chapter 4 <b>Practical</b>	First Aid Cricket and Football
<b>February</b>		<b>Revision</b>

