



ST. MICHAEL'S SCHOOL  

---

RANCHO

ANNUAL  
TEACHING  
PLAN

2021-2022

**Class - IX**



# Swami Vivekananda

**"Have you the courage to face any hurdles, however formidable? Have you the determination to pursue your goal, even if those near and dear to you oppose you? You can be free men only if you have confidence in yourselves. You should develop a strong physique. You should shape your mind through study and meditation. Only then will victory be yours."**

Swami Vivekananda was an Indian Hindu monk chief disciple of the 19th-century Indian mystic Ramakrishna. Born into an aristocratic Bengali family of Calcutta, Vivekananda was inclined towards spirituality. His teachings have created a positive impact on his followers.

## **3 GOLDEN RULES**

from Swami Vivekananda

- Who is Helping You, Don't Forget them.
- Who is Loving you, Don't Hate them.
- Who is Believing you, Don't Cheat them.

# TABLE OF CONTENT

<b>Sl. No.</b>	<b>Subject</b>	<b>Page No.</b>
1.	English	2 - 7
2.	Mathematics	8 - 12
3.	Science	13 - 19
4.	Economics	20 - 22
5.	Geography	23 - 25
6.	History & Political Science	26 - 31
7.	Computer	32 - 35
8.	Hindi	36 - 40

# ENGLISH

## TERM - I

No. of Periods : 76

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	The fun they had (Beehive)	Overview + Introduction background + book		
	2		Education system + virtual learning + difference in present and future education system		
	3		Copy work (VBQ + SAT + LAT question)		
	4	Diary Entry	Format explanation + model diary entry + question		
	5	The road not taken	Explanation + Summary of the poem (Para I & II)		
	6		Explanation + Summary of the poem (Para III & IV)		
	7		Symbolism Exp + Copy work (RTC + SAT + VBQ)		
	8	The Lost Child	Overview + Explanation (fair/ excitement of the child)		
	9		Products and food items in the fair + Lost child		
	10		Situation + Reaction of the child		
	11		Copy work (SAT + LAT)		
	12	Determiners/ Articles	Definition of Determiners/ Types/ Examples		
	13		Explanation of Types + Exercises		
	14		Use of 'A' & 'The' / Common errors/ exercises		
	15	The Sound of Music	(Evelyn Glennie) Explanation + Problem + Character Sketch		
	16		Overcome her disabilities + Achievements + Copy work (VBQ + LAT)		
	17		(Bismillah Khan) Explanation + Life of Bismillah Khan		
	18		Awards and Achievements		
	19		Copy work (VQB + LAT + SAT)		
	20	Wind	Explanation and Summary		
	21		Copy work (reference to context + SAT)		
	22	The Adventure of Toto	Explanation + Overview – page 7 and 8		
	23		Explanation – page 9 and 10		
	24		Copy work (LAT & SAT)		
	25	Article Writing	Format + Explanation + Model Question + Practice question		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	26	The Little Girl	Explanation (Attitude of father toward girl + thinking of girl)		
	27		Change of thinking + situation		
	28		Copy work (VBQ + SAT)		
	29	Sub – verb Agreement	Rules and uses + exercises		
	30	Rain on the roof	Explanation of the poem		
	31		Summary + Copy work (RTC + SAT)		
	32	A Truly Beautiful mind	About Albert Einstein + Childhood life		
	33		Discovered formula of energy + Personal interest in politics		
	34		Copy work (VBQ + SAT)		
	35	Iswaran the Story teller	Character Sketch of Iswaran + Different ways of Story telling		
	36		Horror Story + Situation faced by the narrator + End		
	37		Copy work (LAT + SAT +VBQ)		
	38	The Lake ISLE of Innisfree	Explanation & Summary of poem		
	39		Copy work (RTC + SAT)		
	40	Modals	Specification + Uses + Exercise		
	41	Story Writing	Format explanation + Model Story + Question		
	42	In the Kingdom of fools	Explanation of Situation – Page 19 & 20		
	43		Explanation 21- 23		
	44		Explanation 24- 26		
	45		Copy work (LAT + SAT)		
	46	The Snake and the Mirror	Overview + Character Sketch of the doctor		
	47		Description of Snake attracted towards mirror		
	48		End + Copy work (LAT + SAT)		
	49	A Legend of the Northland	Explanation of the poem + Summery (8 paras)		
	50		Explanation of the poem + Summery (8 paras)		
	51		Copy work (RTC + SAT)		
	52	Descriptive Paragraph	Format Explanation + Model Question + Exercise question		
	53	The Happy Prince	Arrival of Swallow		
	54		Sorrow of Happy Prince/ Request Made by Happy Prince to Swallow		
	55		Use of Precious gems to help poor and needy (poor lady/ playwright/ match girl)		
	56		Removal of statue/ death of swallow		
	57		Copy work (VQB/ SAT)		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	58	Jumble Sentences	Revision + Exercise		
	59	My Childhood	Overview + About APJ Abdul Kalam		
	60		Childhood life + Religious practice in school system		
	61		Social evil		
	62		Copy work (VBQ + SAT)		
	63	No Men are Foreign	Explanation and Summary of the poem		
	64		Copy work (RTC + SAT)		
	65	Editing & Omission	Revision of Editing & Omission		
	66	Weathering the Storm in Ersama	Explanation of super cyclone that hit the Ersama		
	67		Consequences + Prashant's leadership to overcome the situation		
	68		Copy work (SAT + LAT)		
	69	Preposition	Explanation + Uses		
	70		Exercises		
	71	Packing	Overview + Explanation – Page 65-66		
	72		Explanation – Page 67-69		
	73		Copy work (LAT + SAT)		
	74	The Duck and the Kangaroo	Explanation of the poem + Summery (Para I to III)		
	75		Explanation of the poem + Summery (Para IV to V)		
	76		Copy work (RTC + SAT)		

### TERM - II

No. of Periods : 71

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	The Last Leaf	Overview + Johnsy's suffering + friendship of Johnsy and Sue + Support/ Concern		
	2		Sacrifice of Behrman + Recovery of Johnsy		
	3		Copy work (VBQ + SAT)		
	4		Copy work (3+3 question)		
	5	Tenses	Present/ Past (Rules + Common Error) + Use + Exercises		
	6		Future tense (Explanation + Use + Exercise)		
	7		Continue Future tense (Explanation + Use + Exercise)		
	8		Common errors + exercise. Fill in the blanks + editing exercise		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	9	Reach for the Top	Part I : Santosh Yadav, Explanation of Childhood		
	10		Achievements		
	11		Copy work (VBQ + SAT)		
	12		Part II : Maria Sharapova, Childhood life		
	13		Sacrifice and hard work		
	14		Achievement + Copy work (VBQ + SAT) + 1		
	15		Copy work		
	16	A House is not a Home	Challenges being a teenager/ Problems of growing up		
	17		Incident + Support from the School		
	18		Finding a cat +How he managed to overcome the situation		
	19		Copy work (LAT +SAT)		
	20		Copy work (3+3 question)		
	21	Active to Passive	Voice + Tense wise explanation		
	22		Conversion of Active to Passive		
	23		Exercises		
	24	On killing a Tree	Explanation and Summery (2 paras)		
	25		Explanation and Summery (2 paras) + copy work (RTC + SAT)		
	26		Completion of copy work		
	27	Direct to Indirect	Rules + Tense wise explanation		
	28		Conversion of Direct to Indirect + Exercise		
	29	The Bond of Love	Overview + Introduction of the Bear Bruno		
	30		Attachment of narrator and his wife to Bruno + Bruno activities + Incident		
	31		Return of Bruno to house + Affection of pets + Copy work (VBQ + SAT)		
	32		Copy Work (Textual Question)		
	33	The Accidental Tourist	Carelessness of the narrator		
	34		Explanation of the incidents		
	35		Page – 59 to 60		
	36		Copy work (LAT +SAT)		
	37	The Snake Trying	Explanation and Summary of the poem		
	38		Copy work (RTC + SAT)		
	39	Kathmandu	Description of the place		
	40		Temple + Environment + different between two temples		
	41		Copy work (LAT + SAT)		
	42		Copy Work (Textual Question)		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	43	A Slumber did my Spirit Seal	Explanation & Summary		
	44		Copy work (RTC + SAT)		
	45	If I were you	Introduction + Arrival of Intruder		
	46		Intruder's intentions and plans + revealing of details		
	47		Gerrard plan to engage the Intruder		
	48		Intruder believed in Gerrard's story		
	49		Intruder was caught		
	50		Copy work (VBQ +SAT)		
	51		Copy work (SAT +LAT)		
	52		The Beggar	Introduction of the beggar + Sergei reveal the real identity	
	53	Sergei's punishment given to the beggar			
	54	Arrival of beggar at Sergei's home + influence of Olga on the beggar			
	55	Change in the beggar +Sergei meeting with the beggar			
	56	Copy work (VQB + Intext Question)			
	57	Copy work (SAT + Textual Question)			
	58	General revision of editing and omission exercise		Modals	
	59		Preposition		
	60		Gap filling with preposition and articles and tenses		
	61		Editing exercise including conditionals and conjunctions		
	62		Omission exercise		
	63	General Revision	General Revision , Letter to Editor		
	64		General Revision		
	65		General Revision		
	66		General Revision		
	67		General Revision		
	68		General Revision		
	69		General Revision		
	70		General Revision		
	71		General Revision		
<b>SYLLABUS FOR POST MID TERM</b>					
		Writing	Letter to the editor/ Articles/ Diary Entry		
			Story Writing		
		Grammar	Fill in the blanks (Tenses/ Preposition/ Articles/ Models)		
			Jumbled Sentences		
			Omission (Similar grammar exercises)		



Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
		Literature	30 Marks			
			Beehive (Whole book)			
			Moments (Whole book)			
<b>SYLLABUS FOR MID TERM</b>						
		Writing	Diary Entry/ Articles/ Description paragraph			
				Story writing		
		Grammar	Fill in the blanks (Determiners/ Articles/ S-V agreement/ Preposition/ Models)			
				Jumbled sentences		
				Editing (Error finding related to Articles/ determiners etc.)		
		Literature	30 Marks			
				Beehive – I to VII (Stories + Poem)		
				Moments – I to VI		



# MATHEMATICS

## TERM - I

No. of Periods : 86

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	CHAPTER – 1 NUMBER SYSTEM	Concepts of Number System		
	2		Rational Number – Definition + Explanation		
	3		Rational Number Continue		
	4		Irrational Number		
	5		Representation of rational number on Roal Line		
	6		Representation of Irrational number on Roal Line		
	7		Real Number and Their decimal Expunsinns		
	8		Operation of Real Numbers		
	9		Operation of Real Numbers		
	10		Rationalising factor of irrational number		
	11		Rationalising denominator of irrational number		
	12		Rationalising denominator of irrational number		
	13		Rationalising the denominator of irrational number		
	14		Law of exponents for real number		
	15		Application of Laws of Exponents		
	16		Application of Laws of Exponents		
	17	CHAPTER – 2 POLYNOMIALS	Introduction + Concepts		
	18		Degree of Polynomial + type of Polynomial		
	19		Coefficient of Polynomials		
	20		Zeroes of Polynomials		
	21		Zeroes of Polynomials		
	22		Remainder Theorem		
	23		Remainder Theorem		
	24		Factorisation of Polynomials		
	25		Factor Theorem		
	26		Factor Theorem		
	27		Identities (Algebraic)		
	28		Algebraic Identities		
	29		Algebraic Identities		
	30		Application of Algebraic Identities		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	31		Application of Algebraic Identities is factorisation		
	32		Factorisation using algebraic identities		
	33	CHAPTER – 12 HERNN'S FORMULA	Introduction + Concept		
	34		Area of Triangle		
	35		Area of Triangle Using Heronn's Formula		
	36		Application of Heronn's Formula Finding are of		
	37		Quadrilateral		
	38	CHAPTER – 3 COORDINATE GEOMETRY	Introduction + Concepts		
	39		Cartesian System		
	40		Co-ordinate axis		
	41		Plotting a point in the plane is its co-ordinate are given		
	42	Chapter – 4 Linear Equations in two variables	Introduction + Concept		
	43		Linear equation in tow variables		
	44		Solutions of Linear equations		
	45		Graph of a Linear equations in tow variables		
	46		Equations of Lines Parallel to the X-axis and Y-axis		
	47		Geometrical Representation of equations		
	48	Chapter – 6 Lines and Angles	Introduction + Concepts		
	49		Basic terms and definition		
	50		Intersecting Lines and non-intersecting lines		
	51		Pain of angle		
	52		Parallel lines and a Transversal		
	53		Application of parallel lines and a thousand		
	54		Lines parallel to the same line		
	55		Triangle		
	56		Angle sum property of triangle		
	57		Application of property of triangle (Angle sum)		
	58		Application of angle sum property of triangle		
	59		Application of parallel lines and transversal		
	60		Application of parallel lines and transversal		
	61		Exterior angle sum property of triangle		
	62		Application of exterior angle sum property of triangle		
	63	CHAPTER – 7 TRIANGLE	Introduction + Concepts		
	64		Congruence – Definition + Congruence Figure		
	65		Congruence of triangle		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
	66		Corresponding sides + Corresponding angle of triangle			
	67		Criteria for congruence of triangle			
	68		SAS congruence criteria			
	69		Application of SAS congruence criteria			
	70		ASA, AAS congruency criteria			
	71		Application of ASA Congruence criteria			
	72		Application of ASA Congruence criteria			
	73		SSS congruency criteria			
	74		Application of SSS Congruence criteria			
	75		RHS congruence criteria			
	76		Inequalities in a triangle			
	77		Application of inequalities in a triangle			
	78		CHAPTER – 14 STATISTICS	Introduction + Concepts		
	79			Collection of data		
	80	Presentation of data				
	81	Graphical representation of data				
	82	Frequency Polygon				
	83	Measure of Central tendency				
	84	Mean				
	85	Median				
	86	Mode				

### TERM - II

No. of Periods : 76

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	CHAPTER – 8 QUADRILATERAL	Introduction + angles sum property of quadrilateral		
	2		Types of quadrilateral		
	3		Properties of parallelogram		
	4		Properties of parallelogram (contd.)		
	5		Types of parallelogram, special types of parallelogram		
	6		Special types of parallelogram		
	7		Exercise – 8.1 Q.No. 1, 3, 5, 6		
	8		Exercise – 8.1 Q.No. 8, 9, 11, 12		
	9		Mid point theorem and its converse		
	10		Equal intercepts theorem, exercise 8.2 Q. 1, 2		
	11		Exercise – 8.2 Q. 4, 5, 7		
	12		Recapitulation		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
	13	CHAPTER – 9 AREA OF PARALLELOGRAMS AND TRIANGLE	Introduction + Exercise – 9.1			
	14		Parallelograms on the same base and between the same parallels are equal in area.			
	15		If a triangle and a parallelogram are on the same base and between same parallels, then the area of triangle is equal to half the area of a parallelogram.			
	16		Exercise – 9.2 Q. 1, 2, 3			
	17		Exercise – 9.2 Q. 5, 6			
	18		Triangles on the same base and between same parallels are equal in area.			
	19		Median divides a triangle into two triangles equal in area, Exercise 9.3 Q. 1, 2			
	20		Exercise 9.3 Q. 5, 6, 8, 9			
	21		Exercise – 9.3 Q. 11, 13, 14, 15			
	22		Exercise – 9.4 Q. 1, 2, 3			
	23		Recapitulation			
	24		CHAPTER – 10 CIRCLES	Introduction + circles and its related terms		
	25			Exercise - 10.1		
	26			Angles subtended by a chord at a point		
	27	Exercise – 10.2				
	28	Perpendicular from the centre to a chord of circle				
	29	Circles through three points				
	30	Exercise – 10.3				
	31	Equal chords and their distances from the a centre of the circle				
	32	Exercise – 10.4 Q.1, 2				
	33	Exercise – 10.4 Q. 3, 4, 5				
	34	Theorem → Angle suspended by an arc at centre is double the angle subtended by it at any point on its terminating part.				
	35	Exercise – 10.4 + R.S.Aggarwal				
	36	R.S.Aggarwal				
	37	R.S.Aggarwal				
	38	Cyclic quadrilateral , theorem related to cyclic quadrilateral				
	39	Exercise – 10.5 Q. 1, 2, 3, 5				
	40	Exercise 10.5 Q. 6, 8, 10, 11				
	41	Exercise 10.5 Q. 12 + R.S.Aggarwal				
	42	R.S.Aggarwal				
	43	R.S.Aggarwal				

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	44	CHAPTER – 11 CONSTRUCTION	Introduction + construction of special angles and their bisectors		
	45		Exercise – 11.1		
	46		Construction of triangles		
	47		Exercise – 11.2 Q. 1, 2		
	48		Exercise – 11.2 Q. 3, 4, 5		
	49		R.S.Aggarwal		
	50		R.S.Aggarwal		
	51		CHAPTER 13 SURFACE AREAS AND VOLUMES	Introduction	
	52	Surface area of cube and cuboid			
	53	Exercise – 13.1 Q. 1, 3, 5			
	54	Exercise – 13.1 Q. 7, 8			
	55	Surface area of cylinder,			
	56	Exercise 13.2 Q. 3, 5, 7			
	57	Exercise – 13.2 Q. 8, 10, 11			
	58	Surface area of cone, exercise 13.3 Q. 1, 3			
	59	Exercise – 13.3 Q. 4, 5, 6			
	60	Exercise 13.3 Q. 7, 8			
	61	Surface area of sphere and hemisphere, exercise 13.4 Q. 1, 2			
	62	Exercise 13.4 Q. 4, 5, 7			
	63	Exercise 13.4 Q. 8, 9			
	64	Exercise – 13.4 Q. 9, volume of cube and cuboid			
	65	Exercise – 13.5 Q. 1, 3, 5			
	66	Exercise – 13.5 Q. 7, 8, 9			
	67	Volumes of cylinder, Exercise – 13.6 Q. 1, 2			
	68	Exercise – 13.6 Q. 4, 6, 8			
	69	Volumes of cone, Exercise 13.7 Q. 1, 2			
	70	Exercise – 13.7 Q. 4, 6, 8, 9			
	71	Volume of sphere and hemisphere, Exercise – 13.8 Q. 1, 2			
	72	Exercise – 13.8 Q. 4, 5, 6			
	73	Chapter – 15 PROBABILITY	Introduction		
	74		Exercise – 15.1 Q. 1, 3, 5, 7, 9		
	75		Exercise 15.1 Q. 10, 11, 12, 13		
	76		Recapitulation		

□□□

# SCIENCE

## PHYSICS

### TERM - I

No. of Periods : 30

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Chapter – 1 : MOTION	Motion, Scalar and vector quantities, distance and displacement		
	2		Uniform and non-uniform motion		
	3		Speed, Velocity		
	4		Acceleration (Rate of change of velocity, retardation )		
	5		Equations of Uniformly accelerated motion		
	6		Graphical Representation of Motion		
	7		Equation of Motion by graphical method		
	8		Numericals based on equations of motion		
	9		Uniform circular motion		
	10		Numericals and recapitulation of chapter		
	11	Chapter – 2 : FORCE AND LAWS OF MOTION	Concept of Force, Balanced and unbalanced forces		
	12		Galileo's Observation		
	13		Newton's 1 <sup>st</sup> law of motion		
	14		Inertia and mass		
	15		Momentum		
	16		Numericals based on Inertia and momentum		
	17		Newton's 2 <sup>nd</sup> law of motion		
	18		Newton's 3 <sup>rd</sup> law of motion		
	19		Numericals based on Newton's 2 <sup>nd</sup> and 3 <sup>rd</sup> laws of motion		
	20		Law of conservation of momentum and numericals		
	21	Numericals and Recapitulation			
	22	Chapter – 3 : GRAVITATION	Universal law of gravitation, Importance of universal law of gravitation		
	23		Gravitational force between light object and heavy objects, gravitation and Newton's 3 <sup>rd</sup> law of motion		
	24		Kepler's Law of planetary motion		
	25		Gravity, free fall concept of acceleration due to gravity		
	26		Relationship between g and G value of one is due to gravity		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	27		Equations of motion for freely falling bodies		
	28		Mass and weight, numericals		
	29		Weight of an object on the moon, Numericals		
	30		Numericals and Recapitulation		

## TERM - II

No. of Periods : 26

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Chapter – 4 : FLOTATION	Thrust and pressure		
	2		Pressure in fluids, Buoyancy		
	3		Buoyant force of air, why do objects float or sink in a fluid.		
	4		Archimedes' principle		
	5		The Principle of flotation, density		
	6		Relative density, numericals		
	7	Chapter – 5 : WORK AND ENERGY	Work, Work done by a constant force, positive work		
	8		Negative work, zero work, unit of work, energy		
	9		Kinetic Energy, expression for kinetic energy		
	10		Potential energy, numericals		
	11		Various forms of energy and energy transformation		
	12		Energy Transformation and numericals		
	13		Law of conservation of energy		
	14		Power and electric power		
	15		Numericals on power and electric power		
	16		Numericals on electrical energy consumed and recapitulation		
	17	Chapter – 6 : SOUND	Production of Sound and its propagation		
	18		Activity – sound needs a medium to travel, characteristics of sound wave		
	19		Characteristics of sound wave, relationship between $f$ and $T$		
	20		Relation between $\lambda$ , $f$ and $v$ of a wave		
	21		Speed of sound in different medium, sonic boom		
	22		Reflection of sound, multiple reflection of sound, echo		
	23	Reverberation, frequency range of hearing in humans			



Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	24		Ultrasound, Application of ultrasound		
	25		Sonar, application of sonar		
	26		Structure and functions of Human ear (Auditory aspects) Recapitulation		

## CHEMISTRY

### TERM - I

No. of Periods : 32

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
	1	Chapter – 1 Matter in Our Surroundings	Introduction – What is matter?			
	2		Characteristics of particles of matters			
	3		Continue.....			
	4		States of matter and its properties in details			
	5 + 6		Continued.....			
	7		Changes in states in matter Effect of change of temperature			
	8 + 9		Latent heats and its type			
	10		Effect of change of pressure			
	11 - 13		Evaporation / Exercise question			
	14		Doubt clearing			
	15		Chapter – 2 Is Matter Around Us Pure	Introduction – pure and impure in terms of chemistry		
	16			Types of mixture		
	17			Solutions and its types		
	18			Suspension and colloids		
	19	Continued.....				
	20 + 21	Concentrations				
	22	Separating the components of mixture Evaporation, centrifugation				
	23	Continued..... (sublimation and separation of missible liquid)				
	24	Continued..... (chromatography + distillation)				
	25	Fractional distillation				
	26	Physical and chemical change				
	27 + 28	Elements and its properties				
	29 + 30	Compounds.....				
	31 + 32	Practical (Lab Activity)				

## TERM - II

No. of Periods : 30

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Chapter – 3 Atoms and Molecules	Introduction about atoms, Laws of chemical combination, Laws of constant proportion		
	2		Laws of conservation of mass		
	3		Dalton's Atomic theory/ Intext questions		
	4		What is an atom / its symbol		
	5 + 6		Atomic mass molecules		
	7		What is an icons?		
	8 - 10		Writing chemical formula		
	11		Molecular mass / formula unit mass		
	12 - 14		Mole concept		
	15		Recap of the chapter		
	16 + 17		Chapter – 4 Structure of the Atom	Introduction about charge particles	
	18	Structure of Atom and model given by different scientist, Thomas's Models			
	19 + 20	Rutherford's Model of an atom			
	21	BOHR'S Model of atom			
	22	BOHR Model of Atom			
	23 + 24	Atomic: Number and electronic configuration			
	25	Valency and valenceelectron			
	26	Mass number and related numerals			
	27	Isotopes			
	28	Continued..... average atomic mass			
	29	Isobars / exercise question discussion			
	30	Recap of the chapter			

## BIOLOGY

### TERM - I

No. of Periods : 37

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Chapter – 5 The Fundamental Unit of Life	Introduction, Cell, discoveries, cell theory		
	2		Plasma membrane, process involved in the movement of substances in and out of cell, types of solutions		
	3		Cell wall, plasmolysis		
	4		Nucleus, prokaryotic and Eukaryotic cell		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
	5		Cytoplasm, concept of cell organelles, ER			
	6		Golgi Apparatus, Lysosomes, mitochondria			
	7		Vacuoles, plastids			
	8		Ribosomes, Centrosomes, Peroxisomes			
	9		Plant and animal cell			
	10		Diagrams related to chapter and doubt clearing session			
	11		Class test			
	12		Chapter – 6 Tissues,	Introduction, Differences between Plant and Animal Tissue		
	13			Flow Chart – Plants Tissue, Introduction of Meristematic Tissue		
	14			Types of meristematic tissue and features of permanent tissue		
	15			Types of simple permanent tissue		
	16	Protective tissue – Epidermis & Cork				
	17	Complex Permanent tissue – Xylem and Phloem				
	18	Introduction of Animal Tissue				
	19	Epithelial tissue and its types				
	20	Introduction of connective tissue and its types				
	21	Proper connective Tissue				
	22	Skeletal connective tissue				
	23	Fluid connective tissue				
	24	Lymph and types of muscular tissue				
	25	Nervous tissue and doubt clearing session				
	26	Class test				
	27	Chapter – 15 Improvement in Food Resources	Introduction of Agriculture, animal husbandry, different types of crops			
	28		Methods of crop variety improvement			
	29		Objectives of Crop Variety Improvement			
	30		Crop production management, Nutrient management, manures and its type			
	31		Fertilizers and methods of irrigation			
	32		Cropping patterns – mixed cropping, inter cropping and crop rotation			
	33		Crop protection management and storage of grains			
	34		Animal husbandry and cattle farming			
	35		Poultry farming – Egg & Broiler production			
	36		Fish production and fisheries			
	37		Bee keeping and doubt clearance			
			Revision for Mid Term Exam			

**TERM - II**

No. of Periods : 34

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on	
	1		Mid term question paper – question answer discussion			
	2		Mid term answer sheets will be shown			
	3	Chapter – 7 Diversity in Living Organisms	Introduction and Basis of classification			
	4		Classification and evolution, hierarchy of classification groups and Nomenclature			
	5		Five kingdom classification			
	6		Five kingdom classification continued with diagrams			
	7		Kingdom plantae and cryptogams			
	8		Phanerogams – Gymnosperms and Angiosperms			
	9		Introduction of Kingdom Animalia			
	10		Phylum – Porifera, Coelenterata Platyhelminthes			
	11		Phylum – Nematoda, Annelida and Arthropoda			
	12		Mollusca, Echinodermata Protochordata			
	13		Vertebrata and types of vertebrates			
	14		Classes of vertebrates			
	15		Doubt clearance and quiz			
	16		Chapter – 13 Why Do We Fall Ill?	Introduction, significance of health, personal and community issue, Healthy and Disease free		
	17			Disease and its causes		
	18	Types of diseases, acute and chronic diseases.				
	19	Infectious and non infectious causes and infectious agents				
	20	Means of spread				
	21	Organ – specific and tissue specific manifestation				
	22	Principles of treatment & Principles of prevention				
	23	Vaccination				
	24	Doubt clearance				
	25	Class test				



Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	26	Chapter – 14 Natural Resources	Introduction and Role of Atmosphere		
	27		The movement of air – wind & rain		
	28		Air pollution		
	29		Water- a wonder liquid, water pollution		
	30		Soil formation and soil erosion		
	31		Biogeochemical cycles and water cycle		
	32		Nitrogen Cycle		
	33		Carbon cycle and green house effect		
	34		Oxygen cycle and ozone layer		
				REVISION FOR ANNUAL EXAM	



# ECONOMICS

## TERM - I

No. of Periods : 26

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.	STORY OF VILLAGE PALAMPUR	Prior knowledge, ordinary businesses of life, production, pre-requisites of production, Sum up		
	2.		Prior knowledge, factors of production and their definition, Sum up		
	3.		Prior knowledge, different types of activities in Palampur, difference between farming and non-farming activities, Sum up		
	4.		Prior knowledge, Modern farming methods, multiple cropping, green revolution, sum up.		
	5.		Prior knowledge, different ways to increase production from a given land: Mixed farming, crop rotation, Difference between Multiple farming and mixed farming, sum up.		
	6.		Prior knowledge, land distribution in village Palampur, source of capital, notes, sum up.		
	7.		Warm up, doubt clearances, notes, sum up.		
	8.		Doubt clearance through extra marks, notes		
	9.		Framing of questions from the chapter.		
	10.		Important questions of the chapter, explanation of the answer, quiz.		
	11.		Test of Lesson – 1, Note: Overlook cuts, Type as it in written.		
	12.	PEOPLE AS RESOURCE	Prior knowledge, introduction of chapter, when a person is a liability or asset, how liabilities can be turned into an asset. Different types of activities – economic & non economic, market & non Market activities, Sum up		
	13.		Prior knowledge, other divisions of activities, notes, Sum up		
	14.		Prior knowledge, factors determining quality of population. Role of education in human capital formation, Sum up		
	15.		Prior knowledge, Role of Education in human capital formation, Sum up		
	16.		Prior knowledge, 11 <sup>th</sup> five year plan with special emphasis on education, Sum up		
	17.	Prior knowledge, Role of health in human capital formation, sum up.			

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	18.		Prior knowledge, notes on the taught sub – topics, warm up.		
	20.		Notes on taught sub-topics		
	21.		Unemployment & its types, sum up.		
	22.		Prior knowledge, notes on unemployment, Sum up		
	23.		Doubt clearance through extra marks		
	24.		Doubt clearance, quiz.		
	25.		Framing of 1 mark question from the chapter.		
	26.		Test of Lesson – 2		

### TERM - II

No. of Periods : 23

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.		Prior Knowledge, Two typical cases of poverty, causes of poverty, Definition of poverty, sum up.		
	2.		Prior knowledge, Notes on definition and causes of poverty, Sum up		
	3.		Prior knowledge, poverty as seen by social scientists, social exclusion, vulnerable groups, poverty line, Sum up		
	4.		Prior knowledge, Poverty line, notes on the taught sub-topics, Sum up		
	5.		Prior knowledge, interstate disparities global poverty scenario, Sum up		
	6.	POVERTY AS A CHALLENGE	Prior knowledge, notes on previous day taught topics, Sum up		
	7.		Prior knowledge causes of poverty, Anti poverty measures, Sum up		
	8.		Prior knowledge, anti poverty measures, notes, Sum up		
	9.		Prior knowledge, The challenges ahead, doubt clearance through extra marks, Sum up		
	10.		Doubt clearance through extra marks.		
	11.		Framing of 1 mark questions.		
	12.		Test of Lesson – 3		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	13.	FOOD SECURITY IN INDIA	Prior knowledge, Definition of food security, famine, Sum up		
	14.		Prior knowledge vulnerable groups, Sum up		
	15.		Prior knowledge, notes on taught topics, Sum up		
	16.		Prior knowledge, green revolution, food security in India, buffer stock, Sum up		
	17.		Prior knowledge, introduction of rationing, other food intervention programmes , current status of public distribution system, Sum up		
	18.		Prior knowledge, current status of public distribution system, criticism of PD, sum up.		
	19.		Prior knowledge, Role of cooperatives in ensuring food security, sum up, notes.		
	20.		Doubt clearance through extra marks.		
	21.		Framing of 1 mark questions.		
	22.		Test of Lesson – 4		
	23.		Discussion on test questions.		

□□□



# GEOGRAPHY

## TERM - I

No. of Periods : 36

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.	INDIA SIZE AND LOCATION	Prior knowledge, Location, Size, Sum up		
	2.		Prior knowledge, India and the world, Sum up		
	3.		Prior knowledge, India's Neighbours, Sum up		
	4.		Extra mark		
	5.		Doubt clearance		
	6.		Map work		
	7.	PHYSICAL FEATURES OF INDIA	Prior knowledge, Type of different features, Sum up		
	8.		Prior knowledge, Formation of Himalayas, Sum up		
	9.		Prior knowledge, Major Physiographic divisions, The Himalayas on mountain, Sum up		
	10.		Prior knowledge, The Himalayan Mountain, Sum up		
	11.		Prior knowledge, The Himalayan Mountain, The Northern plain, Sum up		
	12.		Prior knowledge, Northern plain, Sum up		
	13.		Prior knowledge, The Peninsular plateau, Central Highland, Deccan plateau, Sum up		
	14.		Prior knowledge, The Peninsular plateau, Western & Eastern Ghats, Sum up		
	15.		Prior knowledge, The Indian desert, Coastal plains, Sum up		
	16.		Prior knowledge, The coastal plain, The islands, Sum up		
	17.		Extra mark		
	18.		Doubt clearance		
	20.		Map work.		
	21.		DRAINAGE	Prior knowledge, Introduction, Drainage system in India, Sum up	
	22.	Prior knowledge, The Himalayan rivers, Indus, Ganga, Sum up			
	23.	Prior knowledge, The Brahmaputra, The peninsular river, Narmada, Tapi, Godaveri, Sum up			
	24.	Prior knowledge, Mahanadi, Krishna, The Kaveri, Lakes, Sum up			

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	25.	CLIMATE	Prior knowledge, Role of rivers in the economy, River pollution, Sum up		
	26.		Doubt clearance		
	27.		INTRODUCTION, Prior Knowledge		
	28.		Prior knowledge, Climatic controls, Sum up		
	29.		Prior knowledge, Factors affecting India's climates, Sum up		
	30.		Prior knowledge, Jet stream, Western cyclonic disturbance, Sum up		
	31.		Prior knowledge, The Indian Monsoon, Sum up		
	32.		Prior knowledge, The onset of the monsoon and withdrawals, Sum up		
	33.		Prior knowledge, The seasons, The cold weather season, The hot weather season, Sum up		
	34.		Prior knowledge, Retreating monsoons, Distribution of rainfall, Sum up		
	35.		Prior knowledge, Monsoon as a unifying bond, Doubt clearance, Sum up		
	36.		Extra marks		

### TERM - II

No. of Periods : 35

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.	NATURAL VEGETATION	Prior knowledge, Introduction, Vegetation, Sum up		
	2.		Prior knowledge, Factors influencing distribution of flora and Fauna, Sum up		
	3.		Prior knowledge, Ecosystem, Types of vegetation, Sum up		
	4.		Prior knowledge, Tropical evergreen forests, Features, Difference between tropical evergreen forest and Tropical deciduous forest, Sum up		
	5.		Prior knowledge, Tropical deciduous forests, Features, Sum up		
	6.		Prior knowledge, The thorn forests and scrubs, Montane forests, Sum up		
	7.		Prior knowledge, Mangrove forests, Medicinal plants, Sum up		
	8.		Prior knowledge, Wild life, Steps taken by govt. to protect flora and fauna, Sum up		
	9.		Extra mark		
	10.		Doubt class		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	11.	POPULATION	Prior knowledge, Introduction, Census		
	12.		Prior knowledge, Population, size and distribution, Population density, Factors in fluency, Distribution of population, Sum up		
	13.		Prior knowledge, Population growth and processes of population change, Annual growth rate, Birth rate, Death rate, Migration Types, Friends, Sum up		
	14.		Prior knowledge, Age composition, Sex ratio, Sum up		
	15.		Prior knowledge, Literacy rates, Occupational structure, Sum up		
	16.		Prior knowledge, Health, Ad descent population, Sum up		
	17.		Prior knowledge, National population policy, NPP 200 and adolescents, Sum up		
	18.		Extra marks		
	19.		Doubt clearance		
	20.		Climate (Report), Summary		
	21.		Prior knowledge, Difference between climate and weather, Climatic control, Sum up		
	22.		Factors affecting India's climate, Sum up		
	23.		Jet stream, Western cyclonic Disturbance		
	24.		Mechanism of the monsoon, EL Nino		
	25.		A characteristic features of the cold weather season		
	26.		Mango showers, Kaal Baisakhi		
	27.		Characteristics of Monsoon, October heat		
	28.		Retreating monsoon		
	29.		Monsoon as a unifying bond		
	30.		Northern plain, Khadar and Bangar		
	31.		Difference between Eastern and Western coastal plain		
	32.		Oral test		
	33.		Oral test		
	34.		Quiz		
	35.		Quiz		

# HISTORY & POLITICAL SCIENCE

## TERM - I

No. of Periods : 60

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.	Ch – 1 FRENCH REVOLUTION (History)	Prior knowledge, Incident took on 14 <sup>th</sup> July 1789 (French revolution) key words sum up.		
	2.		Prior knowledge, French society during 18 <sup>th</sup> century, key words, sum up.		
	3.		Prior knowledge, French society during 18 <sup>th</sup> century (cont.), key words, sum up.		
	4.		Prior knowledge, picture based question will be discussed, notes, key words, sum up.		
	5.		Prior knowledge, The struggle to survive, how a subsistence crisis happen, key word, sum up.		
	6.		Prior knowledge, A Growing middle class Envisages and End to privileges, key words, sum up.		
	7.		Prior knowledge, The out break of the Revolution – The Tennis court oath, key words, sum up.		
	8.		Prior knowledge, out break of Revolution (cont. notes, key words, sum up.		
	9.		Prior knowledge, France become a constitutional monarchy, political symbols, key words, sum up.		
	10.		Prior knowledge, France abolishes monarchy and become a republic, key words, sum up.		
	11.		Prior knowledge, Reign of Terror, a directory rules France, key words sum up.		
	12.		Prior knowledge, Did women have a revolution, key words, sum up.		
	13.		Prior knowledge, The abolition of slavery, The Revolution and every daylife, key words, sum up.		
	14.		Prior knowledge, Rise of Nepolean Bonaporte, key words, sum up.		
	15.		Important question relating to the chapter will be given, sum up.		
	16.	Ch – 2 WHAT IS DEMOCRACY? WHY DEMOCRACY? (Pol. Sci.)	Prior knowledge, what is Democracy, Definition of Democracy, key words, sum up.		
	17.		Prior knowledge, Features of Democracy, Major decision's by elected leaders, free and fair electoral competition,, key words, sum up.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	18.		Prior knowledge, one person, one vote, one value, rule of law and respect for right, key words, sum up.		
	19.		Warm up, notes relating to chapter, sum up.		
	20.		Prior knowledge, Summary definition, why democracy, argument against democracy, key words, sum up.		
	21.		Prior knowledge, argument for democracy , key words, sum up.		
	22.		Prior knowledge, Broader meaning of Democracy, key words, sum up.		
	23.		Warm up, notes, sum up.		
	24.		Prior Knowledge, The age of social change, liberals, radical and conservation, key words, sum up.		
	25.		Prior knowledge, Industrial society and social change, key words, sum up.		
	26.		Prior knowledge, The coming of socialism to Europe, support for socialism, key words, sum up.		
	27.		Prior knowledge, The Russian revolution, The Russian empiricism, notes, key words, sum up.		
	28.		Prior knowledge, Economy and society, notes, key words, sum up.		
	29.		Prior knowledge, Socialism in Russia, notes, sum up, key words.		
	30.	Ch – 2 SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION (History)	Prior knowledge, The 1905 Revolution, key words, sum up.		
	31.		Prior knowledge, The first world war and the Russian Empire, sum up.		
	32.		Prior knowledge, The February Revolution in pehograd, sum up.		
	33.		Prior knowledge, after February, key words, sum up.		
	34.		Prior knowledge, The Revolution of October 1917, key words, sum up.		
	35.		Warm up, notes, sum up.		
	36.		Prior knowledge, Civil war, key words, notes, sum up.		
	37.		Prior knowledge, Making of socialist society, key words, sum up.		
	38.		Prior knowledge, making a socialist society, key words, sum up.		
	39.		Prior knowledge, Stalinism & collectivization, key words, sum up.		
	40.		Warm up, notes, sum up.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	41.	Ch- 3 Constitutional deign (pol. Sci.)	Prior knowledge, Democratic constitution in South Africa, key words, sum up.		
	42.		Prior knowledge, "Why do we need a constitution, sum up.		
	43.		Prior knowledge, "Why do we need a constitution (contd.), sum up.		
	44.		Prior knowledge, Making of the India constitution, key words, sum up.		
	45.		Prior knowledge, constituent assembly, key words, sum up.		
	46.		Prior knowledge, guiding values of the Indian constitution, key words, sum up.		
	47.		Prior knowledge, philosophy of the constitution, key words, sum up.		
	48.		Prior knowledge, Institutional design, key words, sum up.		
	49.		Warm up, notes, sum up.		
	50.		Ch – 4 ELECTORAL POLITICS (Pol. Sci.)	PRIOR KNOWLEDGE, Why Election? key words, sum up.	
	51.	Prior knowledge, Why do we need election? key words, sum up.			
	52.	Prior knowledge, what makes an election democratic? Key words, sum up.			
	53.	Prior knowledge, Is it good to have political competition? Key words, sum up.			
	54.	Prior knowledge, What is our system of Election? Key words, sum up.			
	55.	Prior knowledge, What is our system of Election? (cont.) key words, sum up.			
	56.	Prior knowledge, Election campaign, polling and counting votes, key words, sum up.			
	57.	Prior knowledge, What makes Election in India Democratic? Key words, sum up.			
	58.	Prior knowledge, popular election, Acceptance of election out come, key words, sum up.			
	59.	Prior knowledge, challenges to free and fair elections, key words, sum up.			
	60.	Warm up, notes, sum up.			

**TERM - II**

No. of Periods : 57

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1.	Ch – 3 NAZISM AND THE RISE OF HITLER (History)	Prior knowledge, 'Birth of Weimar republic' key words sum up.		
	2.		Prior knowledge, Effect of the war, political radicalism, key words, sum up.		
	3.		Prior knowledge, Economic crises, key words, sum up.		
	4.		Prior knowledge, The year of Depression, key words, sum up.		
	5.		Warm up, notes, sum up.		
	6.		Prior knowledge, Hitler's rise to power, key words, sum up.		
	7.		Prior knowledge, Hitler's rise to power (cont.), key words, sum up.		
	8.		Prior knowledge, The destruction of Democracy, key words, sum up.		
	9.		Prior knowledge, The destruction of Democracy, key words, sum up.		
	10.		Prior knowledge, Establishment of the racial state, key words, sum up.		
	11.		Prior knowledge, The Racial utopia, key words sum up.		
	12.		Prior knowledge, Youth in Nazi Germany, key words, sum up.		
	13.		Prior knowledge, The Nazi cast to motherhood, key words, sum up.		
	14.		Prior knowledge, Art of propaganda, key words, sum up.		
	15.		Prior knowledge, ordinary people and the crimes against humanity, key words, sum up.		
	16.		Warm up, notes, sum up.		
	17.	Ch – 5 WORKING OF INSTITUTION( Pol. Sci.)	Prior knowledge, How is a major policy decision taken, key words, sum up.		
	18.		Prior knowledge, Need for political institution, Parliament & need of Parliament, key words, sum up.		
	19.		Prior knowledge, Two houses of Parliament, political & permanent executive, key words, sum up.		
	20.		Prior knowledge, Prime Minister & council of minister, power of prime minister, key words, sum up.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	21.		Prior knowledge, The President, powers of President, Presidential system, key words, sum up.		
	22.		Prior knowledge, Judiciary, Independence of Judiciary, sum up.		
	23.		Doubt clearance through extra marks, notes.		
	24.		Doubt clearance through extra marks, notes.		
	25.		Important questions from the chapter.		
	26.		Test of History Nazism & Rise of Hitler		
	27.		Prior knowledge, Impotence of forest, causes of deforestation, sum up.		
	28.		Prior knowledge, Rise of commercial forestry, How were the lives of people affected, sum up.		
	29.		Prior knowledge, How did forest rules affect cultivation, who could hunt sum up, key words.		
	30.	Ch – 4 FOREST, SOCIETY & COLONIALISM (History)	Prior knowledge, New trades, new employment and new services, Rebellion in the forest, sum up.		
	31.		Prior knowledge, New development in forestry, doubt clearance, notes, sum up.		
	32.		Prior knowledge, New development in forestry, doubt clearance, notes, sum up.		
	33.		Doubt clearance through extra marks, notes.		
	34.		Doubt clearance through extra marks, notes.		
	35.		Important questions from the chapter.		
	36.			Prior knowledge, Life without rights, prison in Guantanamo Bay, sum up.	
	37.		Prior knowledge, Citizens rights in Saudi Arabia, Ethnic massacre in Kosovo, sum up.		
	38.		Prior knowledge, Rights in democracy, Def. and need of rights, sum up.		
	39.	Ch – 6 DEMOCRATIC RIGHTS (Pol. Scie)	Prior knowledge, Rights in Indian constitution, Right to equality, Right to freedom, sum up.		
	40.		Prior knowledge, Right against exploitation, Right to freedom of religion, sum up.		
	41.		Prior knowledge, cultural and educational rights, Right to constitutional remedies, sum up.		



Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	42.		Prior knowledge, Rights in democracy (recap), sum up.		
	43.		Prior knowledge, National Human Rights Commission, Expanding scope of rithg, sum up.		
	44.		Prior knowledge, International covenant on Economic, Social and cultural rights, doubt clearance, sum up.		
	45.		Doubt clearance through extra marks, Notes, sum up.		
	46.		Doubt clearance through extra marks, Notes, sum up.		
	47.		Important questions from the chapter.		
	48.		Ch – 4 FOREST SOCIETY & COLONIALISM (History)	Oral test	
	49.	Discussion on questions.			
	50.	DEMOCRATIC RIGHTS	Test written		
	51.		Discussion questions.		
	52.	WORKING OF INSTITUTION	Quiz		
	53.	DEMOCRATIC RIGHTS & DUTIES [SUBJECT ENRICHMENT]	Topics / subtopics to be covered will be discussed		
	54.		Discussion on the content of project.		
	55.	FRENCH REVOLUTION	Map work.		
	56.	WORKING OF INSTITUTION & DEMOCRATIC RIGHTS, CONSTITUTIONAL DESIGNS.	Practice of picture based question.		
	57.	FOREST SOCIETY & COLONIALISM	Picture based questions.		



# COMPUTER

## TERM - I

No. of Periods : 37

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Introduction	Introduction about Syllabus and Book		
	2	1. Communication Skills - 1	Communication Cycle.		
	3		Various methods of Communication.		
	4	2. Self-Management Skills - 1	Importance of Self-Management, Self-Management Skills, Time-Management		
	5		Accountability, Positive Results of Self-Management.		
	6		Self Confidence, Factors Influencing Self-Confidence.		
	7		Building Self-Confidence.		
	8	3. Entrepreneurial Skills – 1	Entrepreneur, Entrepreneurship, Entrepreneurship development.		
	9		Factors Affecting Entrepreneurship growth, Characteristics of Entrepreneurs.		
	10	4. Green Skills	Human Activities And Environment, Green Skill.		
	11		Green Economy, Aim of Green Economy.		
	12	5. ICT Skills-1	Information and Communication Technology, Role and Importance of ICT.		
	13		ICT in workplace, Education, Health care, Governance, Business.		
	14		Lab Assignment.		
	15		ICT Tools (Mobile phone, Tablet, Interactive Whiteboards, E-Readers, Newspaper, Radio, TV, E-mail).		
	16		Components of Computer System, Parts of a Computer, Storage Unit/ Memory Unit.		
	17		Peripheral Devices, Types of Peripheral Devices, Input Devices.		
	18		Lab Assignment.		
	19		Output Devices, Monitor, Printer, Speaker, Plotters.		
	20	6. Introduction to IT-ITeS industry.	Secondary Storage Devices, Hard Disk, CD ROM, DVD, BRD,		
	21		Introduction to Internet.		
	22		Lab Assignment.		
	23		Application of IT-ITeS Industry, Call Centre, Business Process Outsourcing (BPO).		
	24		Business Process Management (BPM), IT In Home And Everyday Life.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	25		Lab Assignment.		
	26		IT In Library, Business And Marketing etc.		
	27		IT in Education, Chapter Recap.		
	28		Lab Assignment.		
	29	7. Data Entry & Keyboarding Skills	Keyboard and Keyboarding Skills, Touch Typing, Keys Of Keyboard (Alphanumeric keys, Numeric Keypad, Punctuation Keys/ Special Character Keys, Function Keys, Special Keys, Navigation Keys, Combination Keys, Toggle keys).		
	30		Function of Some Important Keys, Home Row Keys, Guide Keys, Guide For Typing, Position Of Fingers On The Keyboard, Rules to learn typing.		
	31		Lab Assignment.		
	32		Touch Typing, Benefits of Touch Typing, Requirements of Touch Typing. Rapid typing Software, Interface of Software.		
	33		Components Of Rapid Typing Application, Using Rapid Typing Application, Typing Measurements Of Speed Rates (CPM, WPM,KPM, CPS,WPS,KPS).		
	34		Lab Assignment.		
	35		Typing Speed, Rhythm, Result Interpreting, Result Window. Beginning with a Lesson Editor.		
	36		Interface, Creating and Deleting a lesson, Creating a new Course		
	37		Lab Assignment.		

### TERM - II

No. of Periods : 35

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	Introduction	Introduction about Syllabus and Book		
	2	8. Digital Documentation	Word Processor, Important features of W/P, Introduction to MS Word, Starting MS Word.		
	3		Components Of MS Word, File Tab, Quick Access Toolbar, Ribbon, Tabs and Groups, Creating a document, Open an Existing, Save a document, Setting password.		
	4		Lab Assignment.		
	5		Editing a document, Undo and Redo, Cut, Copy, Paste, Find & Replace, Auto Spell Check, Thesaurus.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	6		Formatting a document, Character formatting, Format Painter, Paragraph Formatting.		
	7		Lab Assignment.		
	8		Alignment, Adding Border, Background, Bullets and Numbering, Page Formatting.		
	9		Mail Merge.		
	10		Lab Assignment.		
	11	9. Electronic Spreadsheet	Introduction, important features, Popular Spreadsheet Package, Starting with MS Excel.		
	12		Components of MS Excel: Workbook, Worksheet, Rows, Columns, Cell, Cell Pointer, Cell Address, Name Box, Formula Bar, Sheet Tabs, Status Bar, Scroll Bar, Title bar, Status Bar.		
	13		Lab Assignment.		
	14		Entering Data and Formula in Worksheet, Using Mathematical operator, Using Basic formula, Using Compound Formula, Using Ranges in Formula.		
	15		Entering data using Fill handle, Copying Formula using Fill handle, Using Cell Referencing, Relative Reference, Absolute Reference, Mixed Reference.		
	16		Lab Assignment.		
	17		Using Charts in a Spreadsheet, Types of Charts, Bar Chart, Column Chart, Line Chart, Area Chart, XY Chart, Pie Chart, Doughnut Chart, Components of Chart.		
	18		Lab Assignment.		
	19	10. Digital Presentation	Introduction to Presentation Software, Components of a Presentation, Characteristics of a good Presentation.		
	20		Creating a Presentation, Starting PowerPoint, PowerPoint Window, Creating a blank Presentation, Using Built-In templates, Selecting Slide Layout.		
	21		Lab Assignment.		
	22		Adding text, Saving a Presentation, Password protection, Saving a Presentation as PDF, Running a Slide Show, Closing A Presentation, Opening A Presentation, Closing Presentation Application.		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	23		Working with Slides, Inserting a duplicate Slide, Inserting New Slides, Modifying A Slide Layout, Copying, Moving and Deleting Slides and Contents.		
	24		Lab Assignment.		
	25		Controlling the size of View, Workspace View, Normal View, Slide Sorter View, Notes Pages, Reading Views.		
	26		Formatting Text in a Presentation, Slide Transition, Animation.		
	27		Lab Assignment.		
	28	Employability Skill	Basic Computer Operations, Shut down computer, Operating System.		
	29		Function Of Operating ,Types of O/S, Mobile O/S.		
	30		Starting Windows ,Desktop, Icons, Common Desktop Operations		
	31		Lab Assignment.		
	32		Introduction to E-mail and Social Media, Features available on Social Media, Merits Of Social Media, Demerits Of Social Media, Twitter, YouTube, Facebook, WhatsApp.		
	33		Perspectives in Communication, Factors affecting perspectives in communication		
	34		7C's of Communication.		
	35		Recap of Employability Skill.		



# HINDI

## TERM - I

No. of Periods : 75

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	(क्षितिज- गद्य-खंड) 'दो बैलों की कथा'	पूर्व-ज्ञान, लेखक- परिचय, पाठ-परिचय, मुख्य बिंदु, वाचन		
	2		वाचन, शब्दार्थ, व्याख्या		
	3		वाचन, शब्दार्थ, प्रेमचंद की अन्य रचनाओं का वर्णन		
	4		वाचन, शब्दार्थ, व्याख्या निष्कर्ष		
	5		प्रश्न/उत्तर का विचार-विमर्श		
	6	(क्षितिज- काव्य-खंड) 'साखियाँ एवं सबद'-1	पूर्व-ज्ञान, कवि- परिचय, पाठ-परिचय, मुख्य बिंदु, वाचन		
	7		वाचन, शब्दार्थ, भावार्थ		
	8		वाचन, शब्दार्थ, व्याख्या		
	9		निष्कर्ष, पाठ का विश्लेषण		
	10		प्रश्न/उत्तर का विचार-विमर्श		
	11	(व्याकरण)	पूर्व-ज्ञान, परिभाषा, प्रकार		
	12	'शब्द-निर्माण' उपसर्ग	अभ्यास कार्य		
	13	'प्रत्यय'	पूर्व-ज्ञान, परिभाषा, प्रकार		
	14		अभ्यास कार्य		
	15	'समास'	तत्पुरुष समास एवं अव्ययीभाव समास-परिभाषा तथा पहचान		
	16		कर्मधारय समास, द्विगु समास-परिभाषा एवं पहचान		
	17		द्वंद्व समास एवं बहुव्रीहि समास-परिभाषा तथा पहचान		
	18		(अंतर)- कर्मधारय-बहुव्रीहि		
	19		(अंतर)- बहुव्रीहि-द्विगु		
	20		(अंतर)- कर्मधारय-द्विगु		
	21		पूर्व-ज्ञान, लेखिका-परिचय पाठ-परिचय, मुख्य बिंदु		
	22	(कृतिका) 'मेरे संग की औरतें'	वाचन, शब्दार्थ, व्याख्या		
	23		वाचन, शब्दार्थ, व्याख्या		
	24		वाचन, शब्दार्थ, व्याख्या		
	25		वाचन, शब्दार्थ, व्याख्या		
	26		निष्कर्ष, पाठ का विश्लेषण		
	27		प्रश्न/उत्तर का विचार विमर्श		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	28		पूर्व-ज्ञान, लेखक-परिचय पाठ-परिचय, मुख्य बिंदु		
	29	(क्षितिज- गद्य-खंड) 'लहासा की ओर'	वाचन, शब्दार्थ, व्याख्या		
	30		वाचन, शब्दार्थ, व्याख्या		
	31		निष्कर्ष, पाठ का विश्लेषण		
	32		प्रश्न/उत्तर का विचार विमर्श		
	33		पूर्व-ज्ञान, कवि- परिचय, पाठ-परिचय, वाचन		
	34	(क्षितिज- काव्य खंड) 'वाख'	वाचन, शब्दार्थ, भावार्थ		
	35		वाचन, शब्दार्थ, व्याख्या		
	36		निष्कर्ष, पाठ का विश्लेषण		
	37		प्रश्न/उत्तर का विचार-विमर्श		
	38		पूर्व-ज्ञान, अवधारणा-चित्र परिभाषा, भेदों के प्रकार		
	39	(व्याकरण) अर्थ की दृष्टि से वाक्य -भेद	वाक्य के अंग एवं प्रकार विधानवाचक, निषेधवाचक		
	40		प्रश्नवाचक एवं इच्छावाचक		
	41		संदेहवाचक एवं संकेतवाचक		
	42		आज्ञावाचक एवं विस्मयवाचक		
	43		वाक्य-परिवर्तन		
	44		अनुप्रयोग एवं अभ्यास कार्य		
	45		अभ्यास कार्य (परिवर्तन एवं पहचान)		
	46		पूर्व-ज्ञान, लेखिका-परिचय, मुख्य बिंदु, वाचन		
	47	(क्षितिज -गद्य-खंड) 'सॉवले सपनों की याद'	वाचन, शब्दार्थ, व्याख्या		
	48		वाचन, शब्दार्थ, व्याख्या		
	49		निष्कर्ष, पाठ का विश्लेषण		
	50		प्रश्न/उत्तर का विचार विमर्श		
	51	(क्षितिज -काव्य-खंड) 'सवैये'	पूर्व-ज्ञान, कवि- परिचय, मुख्य-बिंदु, पाठ-परिचय,		
	52		वाचन, शब्दार्थ, भावार्थ, व्याख्या		
	53		वाचन, शब्दार्थ, व्याख्या		
	54		निष्कर्ष, पाठ का विश्लेषण		
	55		प्रश्न/उत्तर का विचार-विमर्श		
	56	(व्याकरण) 'अलंकार'	पूर्व-ज्ञान, अवधारणा चित्र परिभाषा, प्रकार		
	57		अनुप्रास, यमक, श्लेष की परिभाषा एवं पहचान		
	58		उपमा अलंकार के चारों तत्त्वों का वर्णन एवं पहचान		
	59		रूपक अलंकार-परिभाषा एवं पहचान		
	60		उत्प्रेक्षा अलंकार की परिभाषा एवं पहचान		
	61		अतिशयोक्ति अलंकार परिभाषा एवं पहचान		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	62	(व्याकरण) 'अलंकार'	मानवीकरण अलंकार का वर्णन		
	63		अभ्यास कार्य		
	64	(क्षितिज- काव्य खंड) 'कैदी और कोकिला'	पूर्व-ज्ञान, कवि- परिचय, मुख्य-बिंदु, पाठ-परिचय,		
	65		वाचन, शब्दार्थ, भावार्थ, व्याख्या		
	66		वाचन, शब्दार्थ, व्याख्या		
	67		निष्कर्ष, पाठ का विश्लेषण		
	68		प्रश्न/उत्तर का विचार-विमर्श		
	69		(लेखन)	पूर्व-ज्ञान, संवाद लेखन के नियम	
	70	संवाद -लेखन	अभ्यास		
	71	(लेखन)	औपचारिक पत्र के नियम		
	72	पत्र- लेखन	अनौपचारिक पत्र के नियम		
	73	(लेखन) अनुच्छेद-लेखन	अभ्यास-कार्य		
	74	अपठित-बोध	गद्यांश संबंधी विचारत्मक तथ्यों का विश्लेषण		
	75	लघु कथा लेखन (लेखन)	लघु कथा के नियम एवं अभ्यास कार्य		

## TERM - II

No. of Periods : 70

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	1	(क्षितिज- गद्य-खंड) 'नाना साहब की पुत्री'	पूर्व-ज्ञान, लेखक- परिचय, पाठ-परिचय, मुख्य बिंदु, वाचन		
	2		वाचन, शब्दार्थ, व्याख्या		
	3		वाचन, शब्दार्थ, व्याख्या		
	4		निष्कर्ष, पाठ का विश्लेषण		
	5		प्रश्न/उत्तर का विचार-विमर्श		
	6	(क्षितिज- काव्य-खंड) 'चंद्र गहना से लौटती बेर'	पूर्व-ज्ञान, कवि- परिचय, पाठ-परिचय, मुख्य बिंदु, वाचन		
	7		वाचन, शब्दार्थ, भावार्थ		
	8		वाचन, शब्दार्थ, व्याख्या		
	9		निष्कर्ष, पाठ का विश्लेषण		
	10		प्रश्न/उत्तर का विचार-विमर्श		
	11	(क्षितिज- गद्य-खंड) 'प्रेमचंद के फटे जूते'	पूर्व-ज्ञान, लेखक- परिचय, पाठ-परिचय, मुख्य बिंदु, वाचन		
	12		वाचन, शब्दार्थ, व्याख्या		
	13		वाचन, शब्दार्थ, व्याख्या		
	14		निष्कर्ष, पाठ का विश्लेषण		



Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	16	(क्षितिज- गद्य-खंड)	प्रश्न/उत्तर का विचार-विमर्श		
	16	'प्रेमचंद के फटे जूते'	अतिरिक्त प्रश्नोत्तर		
	17	(कृतिका) 'रीढ़ की हड्डी'	पूर्व-ज्ञान, लेखिका-परिचय पाठ-परिचय, मुख्य बिंदु		
	18		वाचन, शब्दार्थ, व्याख्या		
	19		वाचन, शब्दार्थ, व्याख्या		
	20		वाचन, शब्दार्थ, व्याख्या		
	21		वाचन, शब्दार्थ, व्याख्या		
	22		निष्कर्ष, पाठ का विश्लेषण		
	23		प्रश्न/उत्तर का विचार विमर्श		
	24		(क्षितिज- काव्य खंड) 'मेघ आए'	पूर्व-ज्ञान, कवि- परिचय, पाठ-परिचय, वाचन	
	25	वाचन, शब्दार्थ, भावार्थ			
	26	वाचन, शब्दार्थ, व्याख्या			
	27	निष्कर्ष, पाठ का विश्लेषण			
	28	प्रश्न/उत्तर का विचार-विमर्श			
	29	(क्षितिज- गद्य-खंड) 'मेरे बचपन के दिन'	पूर्व-ज्ञान, लेखिका-परिचय पाठ-परिचय, मुख्य बिंदु		
	30		वाचन, शब्दार्थ, व्याख्या		
	31		वाचन, शब्दार्थ, व्याख्या		
	32		निष्कर्ष, पाठ का विश्लेषण		
	33		प्रश्न/उत्तर का विचार विमर्श		
	34	(क्षितिज- काव्य खंड) 'यमराज की दिशा'	पूर्व-ज्ञान, कवि- परिचय, मुख्य-बिंदू, पाठ-परिचय,		
	35		वाचन, शब्दार्थ, भावार्थ		
	36		वाचन, शब्दार्थ, व्याख्या		
	37		निष्कर्ष, पाठ का विश्लेषण		
	38		प्रश्न/उत्तर का विचार-विमर्श		
	39	(काव्य-खंड) 'बच्चे काम पर जा रहे हैं'	पूर्व-ज्ञान, कवि- परिचय, मुख्य-बिंदू, पाठ-परिचय,		
	40		वाचन, शब्दार्थ, भावार्थ		
	41		वाचन, शब्दार्थ, व्याख्या		
	42		निष्कर्ष, पाठ का विश्लेषण		
	43		प्रश्न/उत्तर का विचार-विमर्श		
	44	(व्याकरण) 'शब्द निर्माण'	उपसर्ग का अभ्यास कार्य		
	45		प्रत्यय का अभ्यास कार्य		
	46		समास की पहचान		
	47		समास की अभ्यास कार्य		
	48		दो समासों में अंतर स्पष्ट करने की जानकारी		
	49		अभ्यास -कार्य		

Month	Periods	Chapter's Number and Name	Subtopics	Tentative Start Date	Completed on
	50	(व्याकरण) 'अर्थ की दृष्टि से वाक्य-भेद'	वाक्य की परिभाषा, प्रकार		
	51		वाक्य का निर्माण		
	52		वाक्य का रूपांतरण		
	53		अभ्यास-कार्य		
	54	(व्याकरण) 'अलंकार'	शब्दालंकार की पहचान		
	55		अर्थालंकार की पहचान		
	56		निष्कर्ष, पाठ का विश्लेषण		
	57		अभ्यास-कार्य		
	58	(लेखन)	संवाद-लेखन के नियम		
	59	'संवाद-लेखन	संवाद-लेखन का अभ्यास		
	60	(लेखन)	औपचारिक पत्र के नियम		
	61	पत्र- लेखन	अनौपचारिक पत्र के नियम		
	62	लघु कथा -लेखन	लघुकथा- लेखन संबंधी तथ्यों की जानकारी		
	63	(कृतिका) 'माटी वाली'	पूर्व-ज्ञान, लेखिका-परिचय, मुख्य बिंदु, पाठ-परिचय,		
	64		वाचन, शब्दार्थ, व्याख्या		
	65		वाचन, शब्दार्थ, व्याख्या		
	66		वाचन, शब्दार्थ, व्याख्या		
	67		विस्थापन की समस्या		
	68		प्रश्न/उत्तर का विचार विमर्श		
	69		निष्कर्ष एवं विश्लेषण		
	70	अपठित -बोध	विचारात्मक तथ्यों की जानकारी		

□□□





# ST. MICHAEL'S SCHOOL

Jajpur, Soparom, Itki Road, Ranchi (Jharkhand)

Phone : 96932-10060, 93045 02211

E-mail : [stmichaelsranchi@gmail.com](mailto:stmichaelsranchi@gmail.com)

Web : [www.stmichaels.edu.in](http://www.stmichaels.edu.in)