



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 – 2023

Class : IX

Subject- Artificial Intelligence

	UNITS	NO. OF HOURS for Theory and Practical	MAX. MARKS for Theory and Practical
PART A	Employability Skills		
	Unit 1: Communication Skills-I*	10	-
	Unit 2: Self-Management Skills-I	10	3
	Unit 3: ICT Skills-I	10	3
	Unit 4: Entrepreneurial Skills-I	15	4
	Unit 5: Green Skills-I*	05	-
	Total	50	10
PART B	Subject Specific Skills		
	Unit 1: Introduction to Artificial Intelligence (AI)		10
	Unit 2: AI Project Cycle		15
	Unit 3: Neural Network		5
	Unit 4: Introduction to Python		10
	Total		40
PART C	Practical Work		
	Unit 4: Introduction to Python Practical File with minimum 15 Programs		15
	Practical Examination <ul style="list-style-type: none"> Simple programs using input and output function Variables, Arithmetic Operators, Expressions, Data Types Flow of control and conditions Lists * Any 3 Programs based on the above topics		15
	Viva Voce		5
	Total		35
PART D	Project Work / Field Visit / Student Portfolio * relate it to Sustainable Development Goals		15
	Total		15
	GRAND TOTAL	200	100

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams.



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- English Language and Literature

MONTH	WEEK	CHAPTER NO	TOPIC /TOPICNAME
APRIL	1		GRAMMAR>TENSES(VERB FORMS)
	2	UNIT-1	LR>THE FUN THEY HAD GRAMMAR>> VERB FORMS (TENSES)..... Cont'd
	3		GRAMMAR> VERB FORMS (TENSES)..... Cont'd+ WRITING>DIARY ENTRY
	4	UNIT-1	GRAMMAR>> VERB FORMS (TENSES)+ THE ROAD NOT TAKEN(POEM)
	5	UNIT-2	LR> The Sound of Music Part – 1 + LR» THE SOUND OF MUSIC- PART 2
MAY	1	UNIT-2	GRAMMAR>> MODALS +LR> WIND(POEM)
	2	CHAP-1	SR>> THE LOST CHILD+ GAP FILLING(MODALS)
JUNE	4	CHAP-2	WRITING>DESCRIPTIVE PARAGRAPH(PERSON)+ SR>THE ADVENTURES OF TOTO
	5	UNIT>3	LR>THE LITTLE GIRL+ DESCRIPTIVE PARAGRAPH(SITUATION)
JULY	1		WRITING>DESCRIPTIVE PARAGRAPH(EVENT)
	2	UNIT-3	LR>RAIN ON THE ROOF (POEM)
	3	CHAP-3	SR>ISWARAN THE STORY TELLER+ REVISION
	4		WRITING>STORY WRITING+ READING COMPREHENSION.
	5	UNIT-4	LR>>A TRULY BEAUTIFUL MIND+ THE LAKE ISLE OF INNISFREE(POEM)
AUGUST	1	CHAP-4	SR>IN THE KINGDOM OF FOOLS+GRAMMAR>SUBJECT VERB

			AGREEMENT.....CONT'D
AUGUST	2		GRAMMAR>> SUBJECT VERB AGREEMENT
	3		GRAMMAR>>REPORTED SPEECH(STATEMENTS)
	4		GRAMMAR>> REPORTED SPEECH(QUESTIONS)
	5		GRAMMAR>> REPORTED SPEECH(COMMANDS AND REQUESTS)
SEPTEMBER	1		GR>REPORTED SPEECH(TRANSFORMATION EXERCISES)
	2	UNIT-6	LR>> MY CHILDHOOD
	3		REVISION FOR HALF YEARLY EXAMINATION.
OCTOBER	1&2	UNIT-6	LR>>NO MEN ARE FOREIGN (POEM) +INTEGRATED GRAMMAR
	3	CHAP-5	SR>>THE HAPPY PRINCE + GR>> EDITING EXERCISES
	4	UNIT-5	LR>>THE SNAKE AND THE MIRROR
	5	UNIT-5	OMISSION EXERCISES+LR>A LEGEND OF THE NORTHLAND(POEM)
NOVEMBER	1	CHAP-7	SR>>THE LAST LEAF+ GRAMMAR>>DETERMINERS.....CONT'D
	2	UNIT-8	LR>>REACH FOR THE TOP (PART 1) +GRAMMAR>> DETERMINERS.
	3	UNIT-8	LR>> REACH FOR THE TOP (PART-2)
	4	UNIT-8	LR>ON KILLING A TREE(POEM)
	5		GR>DETERMINERS(GAP FILLING)
DECEMBER	1	CHAP-8	LR>>A HOUSE IS NOT A HOME.....CONT'D
	2	CHAP-8	SR>>A HOUSE IS NOT A HOME + WRITING>>STORY WRITING(REVISION)
	3	UNIT-10	LR>>KATHMANDU+A SLUMBER DID MY SPIRIT SEAL (POEM)

	4	CHAP-9	SR>THE BEGGAR....CONT'D
JANUARY	1	CHAP-9	SR>THE BEGGAR
	2	UNIT-11	LR>> IF I WERE YOU.
	3		READING COMPREHENSION+INTEGRATED GRAMMAR+REVISION
	4		REVISION

EXAM	CHAPTER NO	NAME OF THE CHAPTER	MARK WEIGHTAGE
1 ST PERIODIC TEST	UNIT-1(<u>BEEHIVE</u>)	THE FUN THEY HAD THE ROAD NOT TAKEN	10
	UNIT-2	THE SOUND OF MUSIC(PART-1+2) WIND	
	UNIT-3	THE LITTLE GIRL RAIN ON THE ROOF	
	<u>MOMENTS</u> CHAP-1	THE LOST CHILD	
	CHAP-2	THE ADVENTURES OF TOTO	5
	GRAMMAR	1. VERB FORMS 2. MODALS 3. INTEGRATED GRAMMAR	
	WRITING	1. DESCRIPTIVE PARAGRAPH 2. DIARY ENTRY	5
	UNSEEN PASSAGE (READING)	READING COMPREHENSION	5
NOTE-FIRST PERIODIC PORTION IS INCLUDED IN HALF YEARLY EXAM			

HALF YEARLY	BEEHIVE UNIT-4	A TRULY BEAUTIFUL MIND THE LAKE ISLE OF INNISFREE	40
	UNIT-6	MY CHILDHOOD	
	MOMENTS CHAP-3	ISWARAN THE STORY -TELLER	
	CHAP-4	IN THE KINGDOM OF FOOLS	
HALF YEARLY	WRITING +GRAMMAR	1.STORY WRITING 2.REPORTED SPEECH 3.S-VAGREEMENT	20
	READING UNSEEN PASSAGES	READING COMPREHENHION	20
NOTE-FIRST PERIODIC TEST PORTION & HALF PORTION IS INCLUDED IN 2 ND PERIOD TEST			
	BEEHIVE UNIT-6	MY CHILDHOOD NO MEN ARE FOREIGN	10
	UNIT-8	REACH FOR THE TOP (PART I+II)	
	MOMENTS CHAP-5	THE HAPPY PRINCE	
	CHAP-6	WEATHERING THE STORM IN ERSAMA	
	CHAP-7	THE LAST LEAF	
	GRAMMAR+ WRITING	DETERMINERS+INTEGRATED GRAMMAR	10
	READING	UNSEEN PASSAGE	5
ANNUAL EXAM	<u>BEEHIVE</u> UNIT-1 UNIT-2 UNIT-3 UNIT-4 UNIT-5 UNIT-6 UNIT-8		
ANNUAL EXAM	UNIT-10	KATHMANDU A SLUMBER DID MY SPIRIT SLEEP IF I WERE YOU	40
	UNIT-11		
	<u>MOMENTS</u> CHAP-1		

	CHAP-2 CHAP-3 CHAP-4 CHAP-5 CHAP-7 CHAP-8 CHAP-10	A HOUSE IS NOT A HOME THE THE BEGGAR	
	<u>WRITING</u> <u>GRAMMAR</u>	DESCRIPTIVE PARAGRAPH DIARY ENTRY STORY WRITING INFORMAL LETTER 1.TENSES 2.MODALS 3.S-V AGREEMENT 4.REPORTED SPEECH 5.DETERMINER	10 10
	<u>READING</u>	CASE BASED FACTUAL AND DISCURSIVE PASSAGES	20



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- Chemistry

MONTH	WEEK	CHAPTER NAME AND TOPIC
April	1 st & 2 nd	Ch -01 Matter in our Surrounding Introduction of matter, classification of matter, physical nature of matter, characteristics of particles of matter, states of matter,
	3 rd	Properties of solid state, properties of liquid state, properties of gaseous state comparison of general properties of solid liquid and gases
	4 th	Scales of measuring temperature and interconversion of states of matter, effect of change of temperature on states of matter
	5 th	Latent heat of fusion and latent heat of vaporization
May	1 st and 2 nd	Other states of matter plasma state and BEC, sublimation and applications of sublimation, Practical- Preparation of compound and mixture
June	3 rd and 4 th	Effect of change of pressure, evaporation, factors affecting evaporation of liquid
	5 th	Difference in boiling and evaporation. ,exercise questions
July	1 st & 2 nd	Ch -02 Is Matter Around us Pure Pure substance, types and properties of pure substances, elements-properties of metals; non metals; metalloids
	3 rd	Compounds, mixture, properties of compound and mixture
	4 th	Solution, Properties of solution, Concentration of solution
	5 th	Solubility, Numericals on concentration of solution and solubility
August	1 st	Suspension and properties of Suspension Practical – Solution, Suspension and Colloid
	2 nd and 3 rd	Types of colloids, properties of colloids comparison of characteristics of true solution, suspension and colloidal solution
	4 th and 5 th	Physical and chemical change, Exercise questions
September	1 st & 2 nd	Ch -03 Atoms and Molecules Laws of chemical combination and law of conservation of mass, Numerical on law of conservation of mass Practical - Types of reactions and changes
	3 rd	Revision
	4 th and 5 th	Half Yearly Exam

October	1 st , 2 nd and 3 rd	Ch -03 Atoms and Molecules Law of constant proportion ,Numerical on law of constant proportion
	4 th and 5 th	Dalton's atomic theory and its drawbacks Practical – Perform different types of reactions and identify them as physical or chemical change
November	1st	Atoms, symbols of elements, atomic mass, Molecules of elements
	2nd	Molecules of compounds, atomicity , Ions and type of ions
	3rd	Chemical formula, gram atomic mass, gram molecular mass, gram formula unit mass, Practical – Melting point of ice and boiling point of water
	4th	Exercise Questions
	5th	Ch -04 Structure of Atom Introduction Existence of charged particle Discovery of electron, cathode rays and its properties
December	1 st & 2 nd	Discovery of proton , origin and properties of anode rays
	3rd	Thomson's model of atom, Rutherford's model of atom, Drawbacks of Rutherford's atomic model
	4th	Bohr's model of atom, Discovery of neutron , atomic number and mass number Practical – Law of conservation of mass
January	1st	Valence electron and valency, Distribution of electrons in different shells
	2nd	Reason for fractional atomic mass ,Isotopes and Isobars, Properties and applications of Isotopes
	3rd	Exercise Questions
	4th	Revision
February	1st and 2nd	Revision

PORTION OF EXAM FOR YEAR 2022-2023

EXAM	CHAPTER NO	CHAPTER NAME
1 st Periodic Test	1	•Matter in our surrounding
Half yearly	1 2 3	•Matter in our surrounding •Is matter around us pure •Atoms and molecules(up to Dalton's atomic theory)
2 nd Periodic Test	1 2 3	•Matter in our surrounding •Is matter around us pure •Atoms and molecules
Annual Exam	1 2 3 4	•Matter in our surrounding •Is matter around us pure •Atoms and molecules •Structure of atom



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Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- Hindi

	Month	Week	Chapter No.	Chapter Name/Topic
1 st periodic:-	April	1 st	क्षितिज भाग- 01 मानक हिंदी व्याकरण- 09	01 दो बैलों की कथा – कहानी अर्थ के आधार पर वाक्य
		2 nd	कृतिका भाग- 01	02 लहासा की ओर
		3 rd	क्षितिज भाग- 01 व्याकरण- 09	09 साखियों व सबद शब्द निर्माण एवं उपसर्ग-प्रत्यय
		4 th	क्षितिज भाग- 01 व्याकरण- 09	10 वाख – कविता व्याकरण- समास भेद
		5 th	कृतिका भाग- 01	02 मेरे संग की औरतें – कहानी
	May	1 st	क्षितिज भाग- 01 व्याकरण- 09	11 सवैया - रचनात्मक कार्य एवं मौखिक अभिव्यक्ति
	June	3 rd	व्याकरण- 09	ई मेल एवं सूचना लेखन पत्र लेखन
		4 th	कृतिका भाग- 01	अंलकार परिभाषा एवं भेद
	July	1 st	क्षितिज भाग- 01	03 रीढ की हड्डी
		2 nd	व्याकरण- 09	12 कैदी और कोकिला

Half Yearly :-	August	3 rd	क्षतिज भाग- 01	संवाद लेखन एवं संवाद लेखन कार्य
		4 th	कृतिका भाग- 01	04 सॉवले सपनों की याद
		1 st	क्षतिज भाग- 01	04 माटी वाली - कहानी
		2 nd	व्याकरण- 09	<u>Revision</u>
	September	3 rd		04 माटी वाली – कहानी
		4 th	क्षतिज भाग- 01	
			व्याकरण- 09	05 नाना साहब की पुत्री देवी
		1 st		अर्थ के आधार पर वाक्य
	October		क्षतिज भाग- 01	
		4 th	व्याकरण- 09	14 चंद्र गहना से लौटती बेर 06 प्रेमचंद के फटे जूते
			क्षतिज भाग- 01 व्याकरण- 09	व्याकरण- उपसर्ग एवं प्रत्यय
		2 nd	क्षतिज भाग- 01	15 मेघ आए , निबंध लेखन
	November		व्याकरण- 09	07 मेरे बचपन के दिन
		4 th	क्षतिज भाग- 01	व्याकरण- समास परिभाषा एवं भेद
		1 st		16 यमराज की दिशा
		2 nd	व्याकरण- 09	
2 nd periodic:-	December	3 rd	क्षतिज भाग- 01	पत्र लेखन औपचारिक एवं अनौपचारिक
		4 th		17 बच्चे काम पर जा रहे हैं
				अंलकार परिभाषा एवं भेद
		1 st		कहानी अर्थ समीक्षा

Annual Exam :-	January	2 nd 3 rd 4 th 2 nd 3 rd 4 th 5 th	<p>संवाद लेखन अपठित गद्यांश एवं काव्यांश</p> <p>मौखिक अभिव्यक्ति एवं लेखन</p> <p>व्याकरण- उपसर्ग एवं प्रत्यय</p> <p>काव्य का मूल भाव</p> <p><u>परीक्षा से संबंधित पाठ्यक्रम का वर्णन :-</u></p> <p>1st periodic:- जुलाई अंश – April, May, June 01. दो बैलों की कथा , वाक्य - समास उपसर्ग प्रत्यय 02 ल्हासा की ओर 09 साखी व सबद 10 वाख 02 मेरे संग की औरतें , निबंध</p> <p>Half Yearly :- सितंबर अंश- July, August, September अपठित गद्यांश एवं काव्यांश पत्र, अंलकार ,संवाद ,अर्थ के आधार पर वाक्य निबंध</p> <p>03 रीढ़ की हड्डी 12 कैदी और कोकिला 04 सौवले सपनों की याद 05 नाना साहब 04 माटी वाली 11 सवैया 14 चंद्र गहना से लौटती बेर 06 प्रेमचंद के फटे जूते</p> <p>2nd periodic:- दिसंबर</p>
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				अंश- October, November, December 15 मेघ आए उपसर्ग एवं प्रत्यय, समास, पत्र ,अंलकार 07 मेरे बचपन के दिन 16 यमराज की दिशा 17 बच्चे काम पर जा रहे हैं Annual Exam :- फरवरी अंश- April to January क्षितिज भाग- 01 कृतिका भाग- 01 का पूरा पाठ्यक्रम व्याकरण – 09 का संपूर्ण पाठ्यक्रम
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<u>Marks Weightage</u>	
For Periodic :	Marks
खंड अ	25
खंड ब	25
	कुल अंक 50
For Half Yearly and Annual Exam	Marks
खंड अ	40
खंड ब	40
कुल अंक	80



MARKETING AND SALES (412)
Class IX (Session 2022-23)
HALF YEARLY
Total Marks: 100 (Theory-50 + Practical-50)

	UNITS	NO. OF HOURS for Theory and Practical 220	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-I	13	3
	Unit 2 : Self-Management Skills-I	07	3
	Unit 3 : ICT Skills-I	13	4
	Total	33	10
Part B	Subject Specific Skills		
	Unit 1: Introduction to Marketing and Sales	20	10
	Unit 2: Concept of Market	20	10
	Unit 3: Basic concept of Sales and selling	20	20
	Total	60	40
Part C	Practical Work		
	Project	50	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities		20
	Total	50	50
	GRAND TOTAL	220	100

MARKETING AND SALES (412) Class IX (Session 2022-23) Total Marks: 100 (Theory-50 + Practical-50)			
	UNITS	NO. OF HOURS for Theory and Practical 220	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-I	13	2
	Unit 2 : Self-Management Skills-I	07	2
	Unit 3 : ICT Skills-I	13	2
	Unit 4 : Entrepreneurial Skills-I	10	2
	Unit 5 : Green Skills-I	07	2
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Introduction to Marketing and Sales	20	05
	Unit 2: Concept of Market	20	05
	Unit 3: Basic concept of Sales and selling	20	10
	Unit 4: Understanding customer & consumer	30	10
	Unit 5: Activities in Sales and Marketing	30	10
	Total	120	40
Part C	Practical Work		
	Project	50	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities		20
	Total	50	50
	GRAND TOTAL	220	100



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- Mathematics

MONTH	WEEK	CHAPTER/TOPIC
APRIL	1 ST	1.NUMBER SYSTEM: Review of representation of natural numbers, integers,rational numbers on the number line. Rational numbers as recurring/terminating decimals. 1. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as , $\sqrt{2},\sqrt{3}$ and their representation on the number
	2 ND	Operations on real numbers
	3 RD	Rationalization (with precise meaning) of real numbers of the type 1 $a+b\sqrt{x}$ and 1 $\sqrt{x}+\sqrt{\sqrt{x}}$
	4 TH	Existence of non-rational numbers (irrational numbers) such as , $\sqrt{2},\sqrt{3}$ and their representation on the number line
	5 TH	Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general law)
MAY	1 ST	1. POLYNOMIALS Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial.
	2 ND	Types of a polynomial, Factors and multiples. Zeroes of a polynomial Factorization of $ax^2 + bx + c$, $a \neq 0$ where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem.
JUNE	3 RD	Recall of algebraic expressions and identities. Verification of identities
	4 TH	3. COORDINATE GEOMETRY: The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations. plotting points in the plane
	5 TH	2. LINEAR EQUATION IN TWO VARIABLES: Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax+by+c=0$. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they lie on a line.

JULY	1 ST	Graph of linear equations in two variables.
	2 ND	Examples: problems from real life with algebraic and graphical solutions being
	3 RD	INTRODUCTION TO EUCLID'S GEOMETRY: Euclid's method of formalizing with definition, axioms/ postulates and theorems. Five postulates of Euclid's
	4 TH	1 ST PERIODIC TEST
		REVISION
	5 TH	<p>. 4. LINES AND ANGLES: 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal.</p> <p>3. (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersect two parallel lines</p>
AUGUST	1 ST	<p>4. (Motivate) Lines which are parallel to a given line are parallel.</p> <p>5. (Prove) The sum of the angles of a triangle is 180°.</p> <p>6. (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.</p>
	2 ND	<p>. TRIANGLES 1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Motivate) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence). 3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence).</p>
	3 RD	<p>4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)</p>
	4 TH	<p>5.(Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal 7. (Motivate) The sides opposite to equal angles of a triangle are equal.</p>
	5 TH	<p>UNIT-GEOMETRY 2. QUADRILATERALS. 1. (Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely.</p>

SEPTEMBER	1 ST	. 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal.5.
	2 ND	(Motivate) In a parallelogram, the diagonals bisect each other and conversely
	3 RD	REVISION
	4 TH	HALF-YEARLY EXAMINATION
	5 TH	6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse
OCTOBER	2 ND	. 3. CIRCLES 1. (Prove) Equal chords of a circle subtend equal angles at the centre and (motivate) its converse. 2. (Motivate) The perpendicular from the Centre of a circle to a chord bisects the chord and conversely, the line drawn through the centre of a circle to bisect a chord is perpendicular to the chord
	3 RD	. 3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the centre (or their respective centres) and conversely.
	4 TH	4. (Motivate) The angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle.
NOVEMBER	1 ST	. 5. (Motivate) Angles in the same segment of a circle are equal.
	2 ND	6. (Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.
	3 RD	. UNIT-MENSURATION 6. HERON'S FORMULA Area of a triangle using Heron's formula (without proof
	4 TH	REVISION
	5 TH	2 ND PERIODIC TEST
		HERONS FORMULA
DECEMBER	1 ST	AREAS AND VOLUMES: Surface areas and volumes of cubes, cuboid
	2 ND	Surface areas and volume of sphere and hemi spheres
	3 RD	ACTIVITY
	4 TH	Surface areas and volume of sphere and cones
JANUARY	1 ST	Statistics BAR -GRAPH
	2 ND	histograms
	3 RD	Frequency polygon
	4 TH	REVISION

PORTIONS:

1st Periodic test: (18 th JULY)

CH1. NUMBER SYSTEM

CH2.POLYNOMIAL

CH3. COORDINATE GEOMETRY

CH4. LINEAR EQUATION IN TWO VARIABLES

HALF YEARLY PORTION (19 SEPTEMBER)

CH1. NUMBER SYSTEM

CH2.POLYNOMIAL

CH3. COORDINATE GEOMETRY

CH4. LINEAR EQUATION IN TWO VARIABLES

CH5. INTRODUCTION TO EUCLID'S GEOMETRY

CH6.. LINES AND ANGLES

CH7.. TRIANGLES

2ND PERIODIC TEST (28TH NOVEMBER)

CH. QUADRILATERAL

CH. CIRCLE

3RD PERIODIC TEST (16TH JAN)

CH. HERONS FORMULA

CH. SURFACE AREA AND VOLUME

ANNUAL EXAM 2023 : WHOLE PORTION



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- PHYSICS

MONTH	WEEK	CHAPTER NAME	TOPICS
APRIL	1 st &2 nd 3 rd 4 th 5 th	Chapter 8 Motion	Describing motion, distance and displacement Velocity, uniform and non uniform acceleration Graphical representation of distance -time graph and Velocity time graph Equation of motion by graphical method,
MAY	1 st & 2 nd	Chapter-9.Force and laws of motion	elementary idea of circular motion and numerical Balanced and unbalanced forces ,First law of motion
JUNE	3 rd &4 th 5 th		Inertia and mass Second law of motion, Mathematical formulation of second law of motion; Numerical based on second law of motion, Third law of motion
JULY	1 st 2 nd 3 rd 4 th 5 th	Chapter10.Gravitation	Law of conservation of linear momentum Numerical based on conservation of momentum Revision of chapter 8. Motion PERIODIC TEST Universal law of gravitation Force of gravitation of earth Acceleration due to gravity
AUGUST	1 st		Free fall, To calculate the value of g
	2 nd & 3 rd		Motion of objects under the influence of gravitational force of earth Numerical based on equations of motion under gravitational force
	4 th and 5 th		Mass and weight, weight of objects on the moon, Numerical based on weight of object on earth and moon

SEPTEMBER	1 st &2 nd		REVISION OF CH. 9 FORCE AND LAW OF MOTION
	3 rd		Revision of ch.8 Motion
	4 th and 5 th		Revision of chapter 10. Gravitation HALF YEARLY EXAMINATION
OCTOBER	1 ST , 2 nd & 3 rd	Chapter 10-Flotation	Thrust and Pressure ,Numerical Density and relative density numerical
	4 th & 5 th		Upthrust and buoyant force, Verification of Archimedes' Principle. Buoyancy
NOVEMBER	1 st 2 nd 3 rd 4 th	Chapter-11 Work, Energy and Power	Work, Energy Kinetic energy, Potential energy, Numerical based on it. Revision Law of conservation of energy. Rate of doing work ,Revision Experiment No. 1: To find density of solid by using a spring balance and measuring cylinder
	5 th		PERIODIC TEST 2
DECEMBER	1 st &2 nd	Chapter: 12 SOUND	Production of sound, Propagation of sound Reflection of sound Experiment no. 2
	3 rd &4 th		Reflection of sound, uses of multiple reflection of sound Echo, Reverberation Experiment no. 3
JANUARY	1 st		Range of hearing, application of ultrasound Structure of ear
	2 nd		Experiment no. 4 Revision of ch.12. SOUND
	3 rd		Revision of ch. 10 Gravitation and Flotation
	4 th		Revision of Work, Energy, Power

MGM HIGHER SECONDARY SCHOOL, B.S.CITY
PORTION OF EXAM WITH MARKS WEIGHTAGE FOR YEAR 2022-2023
INFORMATION TECHNOLOGY (CODE - 402)
CLASS – IX
Total Marks: 100 (Theory-50 + Practical-50)

	TERM	UNITS	NO. OF HOURS for Theory and Practical 200		MAX. MARKS for Theory and Practical 100
Part A	Employability Skills				
	TERM I	Unit 1: Communication Skills-I	10		5
		Unit 2: Self-Management Skills-I	10		
		Unit 3: ICT Skills-I	10		
	TERM II	Unit 4: Entrepreneurial Skills-I	15		5
		Unit 5: Green Skills-I	05		
	Total		50		10
Part B	Subject Specific Skills		Theory (In Hours)	Practical (InHours)	Marks
	TERM I	Unit 1: Introduction to IT- ITeS industry	2	4	4
		Unit 2: Data Entry & Keyboarding Skills	4	10	6
		Unit 3: Digital Documentation	10	26	10
	TERM II	Unit 4:Electronic Spreadsheet	18	35	10
		Unit 5: Digital Presentation	10	31	10
		Total	44	106	40
	Practical Work				
		Practical Examination			15
		Written Test			10
		Viva Voce			10
		Total			35
	Project Work/Field Visit				
		Practical File/ Student Portfolio			10
		Viva Voce			05
		Total			15
		GRAND TOTAL	200		100



MGM HIGHER SECONDARY SCHOOL, B.S.CITY

SYLLABUS BREAK-UP YEAR 2022-2023

CLASS – IX

SUBJECT – SANSKRIT

MONTH	WEEK	CHAPTER NO	CHAPTER NAME
April	2nd	शेमुषी-भाग 1 पाठ: 1 व्याकरणम्	भारतीवसन्तगीति: स्वर सन्धि: –दीर्घ, गुण
	3rd	शेमुषीभाग 1 पाठ: 1 (शेष) व्याकरणम् –सन्धि:उपसर्गः	भारतीवसन्तगीति: स्वर सन्धि: –वृद्धिउपसर्गः
	4th	शेमुषीभाग 1 पाठ2 व्याकरणम् –सन्धि:	स्वर्णकाकः स्वर सन्धि:–यण् , अयादिव्यंजनसन्धि: –म् स्थानेअनुस्वार,प्रथम अक्षराणाम् तृतीयवर्णे परिवर्तनम्
	5th	शेमुषीभाग 1 पाठ2(शेष) व्याकरणम्–सन्धि:	स्वर्णकाकः विसर्गसन्धि:–विसर्गस्य उत्त्व, रत्व
May	1st	शेमुषीभाग 1पाठ3व्याकरणम्– शब्द–रूप	गोदोहनम् अकारान्ताःपु० –बालकवत् इकारान्ताः पु० –मुनिवत् आकाराप्ताः स्त्री० –लतावत् ईकारान्ताः स्त्री० –नदीवत्
	2nd	शेमुषीभाग 1 पाठ3(शेष) व्याकरणम्– शब्द–रूप	गोदोहनम् हलन्ताः –राजन्, भवत् , विद्वस् , गुणिन्,अस्मद् ,युष्मद् , तत् , इदम् , किम् (त्रिषुलिङ्गेषु) संख्या संख्या 1–100 (1 – 4 केवलं प्रथमा विभक्तौ)
June	4th	शेमुषीभाग 1पाठ3व्याकरणम् अव्ययः	गोदोहनम् स्थानबोधकानि , कालबोधकानि , प्रश्नबोधकानि , अन्यानि

	5th	शेमुषीभाग 1पाठ5 अपठितअवबोधनम् रचनात्मक-लेखनम्	सूक्तिमौक्तिकम् अपठितगद्यांशम् पत्र-लेखनम् , चित्र-लेखनम् ,
July	1st	रचनात्मक-लेखनम्	अनुच्छेद-लेखनम् अनुवादा: (संस्कृते)
	2nd	शेमुषीभाग 1पाठ 5(शेष) रचनात्मक-लेखनम् व्याकरणम्	सूक्तिमौक्तिकम् अनुवाद: (संस्कृते) उपपद विभक्ति: - द्वितीयाविभक्ति-समया,प्रति , निकषा , विना , परितः तृतीयाविभक्ति-अलम् ,विना, हीन, सह ,साकम् , समम् , सार्धम् ,सदृश्
	3rd	शेमुषीभाग 1पाठ 5 (शेष) व्याकरणम्	सूक्तिमौक्तिकम् तृतीयाविभक्ति-अलम् ,विना, हीन, सह ,साकम् , समम् , सार्धम् ,सदृश् चतुर्थीविभक्ति-कुप् ,रुच्,नमः , दा पंचमीविभक्ति-विना , बहिः , भी, रक्ष्
	4th	शेमुषी भाग 1पाठ 5 (शेष) व्याकरणम्	भ्रान्तो बालः षष्ठीविभक्ति- अधः ,उपरि , पुरतः , पृष्ठतः सप्तमीविभक्ति-निपुणः , स्निह्, विश्वस्
	5th	शेमुषीभाग 1 पाठ6(शेष) व्याकरणम्- प्रत्यय	भ्रान्तो बालः क्त्वा , ल्यप् , तुमुन्
August	1st	शेमुषीभाग 1 पाठ 6व्याकरणम्-प्रत्यय	भ्रान्तो बालः क्त,क्तवतु
	2nd	शेमुषीभाग 1 पाठ6 (शेष) व्याकरणम्-प्रत्ययः	भ्रान्तो बालः शतृ
	3rd	शेमुषीभाग 1 पाठ6 (शेष) व्याकरणम्-प्रत्ययः	भ्रान्तो बालः शानच्
	4th	शेमुषीभाग 1	(पुनरावृत्ति)

		पाठ 1 , 2 व्याकरणम्—परस्मैपदिनः धातुरुपाणि	धातुरुपाणि— —परस्मैपदिनः धातुरुपाणि
	5th	शेमुषीभाग 1 पाठ3,4 व्याकरणम्—आत्मनेपदिनःधातुरुपा णि	(पुनरावृत्ति) आत्मनेपदिनःधातुरुपाणि
September	1st	शेमुषीभाग 1 पाठ 5सन्धिःशब्द—रूपाणि	(पुनरावृत्ति) (पुनरावृत्ति)
	2nd	शेमुषीभाग 1पाठ 6रचनात्मक—लेखनम्	(पुनरावृत्ति) चित्र—लेखनम्
		अर्धवार्षिकपरीक्षा	
October	2nd	शेमुषीभाग 1 पाठ9व्याकरणम् —अव्यय	सिकतासेतुः (पुनरावृत्ति)
	3rd	शेमुषीभाग 1 पाठ9(शेष) उपपद विभक्तिः	सिकतासेतुः (पुनरावृत्ति)
	4th	शेमुषीभाग 1पाठ9(शेष) व्याकरणम्—उपपदविभक्तिः	सिकतासेतुः (पुनरावृत्ति)
November	1st	शेमुषीभाग 1पाठ10व्याकरणम् —धातुरुपाणि	जटायोः शौर्यम् (पुनरावृत्ति)
	2nd	शेमुषीभाग 1पाठ10(शेष) रचनात्मक—लेखनम्चित्र—लेखनम् , अनुच्छेद—लेखनम्	जटायोः शौर्यम् (पुनरावृत्ति)
November	3rd	शेमुषीभाग 1 पाठ10(शेष) रचनात्मक—लेखनम् पत्र—लेखनम् , अनुवादाः	जटायोः शौर्यम् (पुनरावृत्ति)(पुनरावृत्ति)
	4th	शेमुषीभाग 1 पाठ11स्वर सन्धिः व्यंजनसन्धिः	पर्यावरणम् (पुनरावृत्ति) (पुनरावृत्ति)
	5th	शेमुषीभाग 1 पाठ11(शेष)व्याकरणम्	पर्यावरणम्

		विसर्गसन्धि: उपसर्गाः	(पुनरावृत्ति)(पुनरावृत्ति)
December	1st	शेमुषीभाग 1 पाठ11(शेष)व्याकरणम्—प्रत्ययः	पर्यावरणम् (पुनरावृत्ति)
	2nd	शेमुषीभाग 1 पाठ12व्याकरणम्—प्रत्ययः	वाङ्मनः प्राणस्वरूपम् (पुनरावृत्ति)
	3rd	शेमुषीभाग 1पाठ12(शेष) व्याकरणम्— शब्द—रूप	वाङ्मनः प्राणस्वरूपम् (पुनरावृत्ति)
	4th	शेमुषीभाग 1 पाठ12अपठितगद्यांशम्	वाङ्मनः प्राणस्वरूपम् (पुनरावृत्ति)
January	1st	शेमुषीभाग 1 पाठ12(शेष)रचनात्मक— लेखनम्चित्र—लेखनम् ,	वाङ्मनः प्राणस्वरूपम् (पुनरावृत्ति)
	2nd	शेमुषीभाग 1 पाठ 12(शेष) पाठ 1,2 रचनात्मक— लेखनम्अनुवादाः	(पुनरावृत्ति) (पुनरावृत्ति)
	3rd	शेमुषीभाग 1 पाठ3 ,5व्याकरणम्—उपपदविभक्तिः	(पुनरावृत्ति) (पुनरावृत्ति)
	4th	शेमुषीभाग 1 पाठ6 , 9व्याकरणम्—प्रत्ययाः	(पुनरावृत्ति)(पुनरावृत्ति)
February	1st	शेमुषीभाग 1 पाठ10 , 11व्याकरणम् —सन्धिः	(पुनरावृत्ति)(पुनरावृत्ति)
	2nd	शेमुषीभाग 1 पाठ12व्याकरणम्(संपूर्ण)	(पुनरावृत्ति)(पुनरावृत्ति)

	<p>अपठितअवबोधनम्</p> <p>रचनात्मक-लेखनम्</p>	<p>ऋते षष्ठीविभक्ति- अधः ,उपरि , पुरतः , पृष्ठतः , निर्धारणेसप्तमीविभक्ति-निपुणः , स्निह , विश्वस् , पटु अव्ययाः -स्थानबोधकानि- अत्र , तत्र ,अन्यत्र , सर्वत्र , यत्र , एकत्र , उभयत्र कालबोधकानि- यदा,तदा , सर्वदा , एकदा , पुरा , अधुना , अद्य , श्वः , ह्यः प्रश्नबोधकानि-किम् , कुत्र ,कति , कदा , कुतः , कथम् , किमर्थम् अन्यानि- च , अपि , यदि , तर्हि , यथा, तथा , सम्यक् , एव प्रत्यय -क्त्वा , ल्यप् ,तुमुन् ,क्तवतु , शतृ , शानच्, क्त अपठितगद्यांशम्</p> <p>पत्र-लेखनम् ,चित्र-लेखनम्/अनुच्छेद-लेखनम् , अनुवादाः</p>	<p>10</p> <p>15</p>
2 nd periodic	<p>शेमुषीभाग 1</p> <p>पाठ 9</p> <p>पाठ 10</p> <p>व्याकरणम्</p>	<p>सिकतासेतुः जटायोः शौर्यमधातुरुपाणि कृ ,वद् ,गम् ,भू , क्रीड् ,नी , दृश् ,पठ्, अस् ,पा, शक् , ज्ञा , दा , क्री , श्रु(लट् , लोट् , लृट् , लंग , विधिलिङलकार) सेव् , लभ् (लट् , लोट् , लृट् , लंग , विधिलिङ) उपपदविभक्तिः द्वितीयाविभक्ति-समया ,प्रति , निकषा, विना , परितः ,उभयतः , धिक् तृतीयाविभक्ति-अलम् , विना , हीन , सह , साकम् , समम् , सार्धम् , सदृश चतुर्थीविभक्तिः -कुप् , रुच् ,नमः , दा , स्वस्ति पंचमीविभक्ति-विना , बहिः , भी , रक्ष् ऋते</p>	<p>20</p> <p>10</p>



MGM HIGHER SECONDARY SCHOOL, B.S.CITY

SYLLABUS BREAK-UP YEAR 2022-2023

CLASS – IX

SUBJECT – SOCIAL SCIENCE (HISTORY/ECONOMICS)

MONTH	WEEK	CHAPTER NUMBER AND NAME	<u>TOPICS TO BE COVERED</u>
APRIL	2 nd	History- Chapter-1 The French Revolution	Overview, French Society during late 18 th century, The struggle to survive.
	3 rd	History- Chapter-1	A growing middle class Envisages an end to privileges.
	4 th	History- Chapter-1	The outbreak of the revolution, France becomes a Constitutional monarchy
	5 th	History- Chapter-1	France Abolishes Monarchy and becomes Republic
MAY	1 st	History- Chapter-1	Did women have a revolution?, The abolition of slavery , The revolution and everyday life
	2 nd	Economics- Chapter- 1 The story of village Palampur	Overview, Introduction , Organization of Production, Farming in Palampur, Non - Farm activities in Palampur
JUNE	3 rd 4 th	Economics -2 People as a Resources	Overview, Economic activities by men and women, Quality of populations
	5 th	Economics-2	Unemployment
JULY	1 st	REVISION	REVISION FOR FIRST PERIODIC TEST
	2 nd	History-L2 Socialism In Europe And The Russian Revolution	Socialism In Europe And The Russian Revolution: The age of social change,
	3 rd	History:- L-2	The coming of socialism in Europe
	4 th	History:L-2	The Russian Revolution, Socialism in Russia,
	5 th	History:- L-2	The February Revolution in Petrograd
August	1 st	History-L2	The February Revolution in Petrograd, What Changed After October?
	2 nd	History:- L-2	Making a Socialist Society
	3 rd	History:- L-2	Stalinism and Collectivisation
	4 th	History:- L-2	The Global Influence
	5 th	REVISION	REVISION FOR HALF YEARLY EXAM

September	1 st	History -L-3 Nazism And The Rise of Hitler	Story of Helmuth, Birth of Weimar Republic
	2 nd	History -L-3	Hitler's Rise to Power,
	3 rd	Exam	REVISION FOR HALF YEARLY EXAM
	4 th	Exam	Half Yearly Examination
	5 th	Exam	Half Yearly Examination
October	2 nd	History L-3	The Nazi Worldview
	4 th	History L-3	Youth In Nazi Germany , Ordinary people and crime against humanity
	5 th	Economics :L-3 Poverty As A Challenge	Introduction, Two typical cases of Poverty, Poverty as seen by Social Scientist
November	1 st	Economics-L-3	PovertyLine, Poverty Estimate , Vulnerable Group
	2 nd	Economics:-L-3	Interstate Disparities , Global Poverty Scenario, Causes of Poverty
	3 rd	Economics:-L-3	Anti-Poverty measures , The challenges ahead
	4 th	REVISION	REVISION FOR SECOND PERIODIC TEST
	5 th	History:-L-4 Forest Society And Colonialism	Introduction, Why Deforestation?
December	1 st	History:-L-4	Rise of Commercial Forestry
	2 nd	History:-L-4	Rebellions in the Forest
	3 rd	History:- L-4	Forest Transformation in Java
	4 th	Economics:- L-4 Food Security In India	What is food Security? Who is Food Insecure? Food Security in India,What is Buffer Stock?
January	2 nd	Economics:- L-4	What is Public Distribution System? Current Status in Public Distribution System
	3 rd	Economics:- L-4	Current Status in Public distribution System.
	4 th	History:- L-5 Pastoralist in the Modern world	s overview, Pastoral Nomads and their movements
	5 th	History:- L-5	Colonial Rules and Pastoral Life
February	1 st	History:- L-5	Pastoralism in Africa.
	2 nd		REVISION
	3 rd		REVISION



MGM HIGHER SECONDARY SCHOOL, B.S.CITY
SYLLABUS BREAK-UP YEAR 2022-2023
CLASS – IX (Code - 402)
SUBJECT – IT

MONTH	WEEK	CHAPTER NO.	CHAPTER NAME/TOPIC NAME
APRIL	2 nd	UNIT-1 (Part – B)	<u>INTRODUCTION TO IT – ITES INDUSTRY</u> Application of IT – Communication, News & Broadcasting, Social Networking, Education, Banking, Research, Defense, Business, Engineering & Medical Science.
	3 rd	UNIT-1 (Part – B)	BPO, Types of BPO Services, Business Process Management – Structure of IT – BPM Industry.
	4 th	UNIT-1 (Part – A)	<u>COMMUNICATION SKILLS</u> Methods of Communication – Verbal, Non-Verbal & Visual Communication.
	5 th	UNIT-2 (Part – B)	<u>DATA ENTRY & KEYBOARDING SKILLS</u> Types of Keys on Keyboard, Positioning of fingers on the keyboard, Numeric keypad, Home keys, Guide keys.
MAY	1 st	UNIT-2 (Part – B)	Pointing Device – Mouse, Mouse Operations, Introduction to Rapid Typing Tutor, Touch Typing Technique.
	2 nd	UNIT-2 (Part – B)	User interface of Typing Tutor, Typing text and interpret results, Working with lesson editor, Calculating typing speed, Typing rhythm.
JUNE	4 th	UNIT-3 (Part – B)	<u>DIGITAL DOCUMENTATION</u> Introduction to word processing, Word processing applications, Introduction to Word Processing tool, Creating a document.
	5 th	UNIT-3 (Part – B)	Text editing – Undo and Redo, Moving and copying text, Copy and Paste, Selecting text, Selection criteria.
JULY	1 st	UNIT-2 (Part – A)	<u>SELF MANAGEMENT SKILLS – I</u> Meaning, Positive results of Self – management, Self-management Skills.
	2 nd	UNIT-2 (Part – A)	Self-Confidence – Factors & Tips that help in building Self-Confidence.
	3 rd	UNIT-3 (Part – B)	Page style dialog, Formatting text, Changing text case, Superscript and Subscript, Formatting paragraph – Indenting paragraphs, Aligning paragraphs, Font Color.
	4 th	UNIT-3 (Part – B)	Using bullets and numbering, Inserting page break, Creating header/footer and page numbers, Defining borders and backgrounds, Inserting images shapes, Special characters in a document.
	5 th	UNIT-3 (Part – A)	<u>INFORMATION & COMMUNICATION SKILLS – I</u> Introduction to ICT, Role & Importance of ICT, ICT in daily life, ICT Tools.

AUGUST	1 st	UNIT-3 (Part – B)	Creating table in Word Processor, Inserting row and column in a table, Deleting rows and columns, Splitting and merging tables, Deleting a table, Copying a table, Moving a table.
	2 nd	UNIT-3 (Part – A)	Components of Computer System, Hardware & Software, Primary & Secondary Memory, Input & Output Devices.
	3 rd	UNIT-3 (Part – A)	Operating System, Types of OS, Files & Folders, Keyboard & Mouse Operations.
	4 th	UNIT-3 (Part – B)	Concept of mail merge in word processing, Creating a main document, Creating the data source, Entering data in the fields.
	5 th	UNIT-3 (Part – B)	Merging the data source with main document, Editing individual document, Printing the merged letter, Saving the merged letter.
SEPTEMBER	1 st &2 nd	UNIT-3 (Part – A)	Introduction to Internet, Application of Internet, Web pages & websites, E-mail applications, Introduction to Social Media.
	3 rd		REVISION FOR HALF YEARLY EXAM
	4 th		HALF YEARLY EXAM
	5 th	UNIT-4 (Part – B)	<u>ELECTRONIC SPREADSHEET</u> Introduction to spreadsheet application, Parts of a spreadsheet, Worksheet – Rows and columns.
OCTOBER	2 nd	UNIT-4 (Part – B)	Cell and cell address, Range of cell – column range, row range, row and column range.
	3 rd	UNIT-4 (Part – B)	Different types of data, Entering data – Label, Values, Formula, Mathematical operators used in formulae.
	4 th	UNIT-4 (Part – A)	<u>ENTREPRENEURIAL SKILLS – I</u> Types of Businesses – Service, manufacturing, hybrid. Types of businesses found in our community.
	5 th	UNIT-4 (Part – B)	Simple calculations using values and operators, Formulae with cell addresses and operators.
NOVEMBER	1 st	UNIT-4 (Part – B)	Formatting tool, Use of dialog boxes to format values, Formatting a range of cells.
	2 nd	UNIT-4 (Part – A)	Entrepreneurship – Meaning, Characteristics, Role & Rewards.
	3 rd	UNIT-4 (Part – B)	Formatting alignment of a cell range, Uses of fill handle to copy formulae.
	4 th	UNIT-4 (Part – B)	Concept of referencing, Relative referencing, Mixed referencing, Absolute referencing.
	5 th	UNIT-4 (Part – B)	Importance of chart in spreadsheet, Types of chart, Example of chart.

DECEMBER	1 st	UNIT-5 (Part – B)	<u>DIGITAL PRESENTATION</u> Concept of presentation, Elements of presentation, Characteristics of an effective presentation.
	2 nd	UNIT-5 (Part – B)	Creating a presentation using template, Selecting slide layout, Saving a presentation, Running a slide show, Save a presentation in PDF, Closing a presentation.
	3 rd	UNIT-5 (Part – A)	<u>GREEN SKILLS – I</u> Environment, Relationship between Society & environment, Ecosystem, Natural resource Conservation & Environment Protection.
	4 th	UNIT-5 (Part – B)	Inserting new slides, Slide layout, Copying and moving slides, Deleting and renaming slides in presentation, Copying, moving and deleting contents of slide, View a presentation,
JANUARY	1 st	UNIT-5 (Part – B)	Formatting toolbar, Various formatting features, Text alignment, Bullets and numbering. Custom Animation.
	2 nd	UNIT-5 (Part – B)	Inserting tables in presentation, Entering and editing data in a table, Selecting a cell, row, column, table, Adjusting column width and row height, Table borders and background.
	3 rd	UNIT-5 (Part – A)	Green Economy – Definition & Importance, Green Skill Development Programme in India.
	4 th	UNIT-5 (Part – B)	Inserting an image, Formatting images, Moving images, Resizing images, Rotating images, Drawing graphic objects – line, shapes, Grouping and un-grouping objects.



M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY

Month wise Syllabus Break - Up : 2022 - 2023

Class : IX

Subject- BIOLOGY

MONTH	WEEK	CHAPTER NAME AND TOPICS
APRIL	1 st & 2 nd	The fundamental Unit of life Introduction, discovery of cell, cell as a basic unit of life, variation in shape, size and number. Functional regions of cell
	3 rd	. , Plasma membrane: features and functions Transportation across plasma membrane- diffusion, Osmosis;
	4 th	endocytosis, cell wall
	5 th	. Nucleus: structure and function eukaryotic and prokaryotic cells;
MAY	1 st & 2 nd	Cytoplasm, Cell organelles: features and functions of Endoplasmic Reticulum.
JUNE	3 rd & 4 th	Golgi apparatus, lysosomes, Practical- To prepare a temporary mount of onion peel
	5 th	mitochondria, plastids, vacuoles Practicals: Preparation of temporary mount of cheek cell
JULY	1 st & 2 nd	REVISION OF FUNDAMENTAL UNIT OF LIFE
	3 rd	<u>TISSUES</u> : Introduction, Are plants and animals made of same type of tissues. Plant tissues- Meristematic tissues,
	4 th	Permanent tissues- features Simple Permanent Tissue- Parenchyma, Collenchyma and Sclerenchyma tissues and its functions
	5 th	Protective tissues: epidermis, cork
AUGUST	1 st	Complex permanent tissues- Xylem and Phloem tissues.
	2 nd & 3 rd	Practical- Identification of parenchyma, collenchyma and sclerenchyma tissues in plants
	4 th and 5 th	Animal tissues- Epithelial tissue

SEPTEMBER	1 st & 2 nd	REVISION OF FUNDAMENTAL UNIT OF LIFE
	3 rd	REVISION OF CH. TISSUES (UPTO PLANT TISSUES)
	4 TH and 5 TH	HALF YEARLY EXAMINATION
OCTOBER	1 ST , 2 nd & 3 rd	connective Tissues, Muscular tissue
	4 th & 5 th	nervous tissue. Practical- Identification of , striped, smooth and cardiac muscle fibres and nerve cells in animals.
NOVEMBER	1 st	REVISION OF CH. TISSUES
	2 nd	IMPROVEMENT OF FOOD RESOURCES: Introduction, sustainable agriculture,
	3 rd	Crops, Improvement in yields, crop varietal management
	4 th	Crop production management, nutrition management, micro and macro nutrients,
	5 th	REVISION FOR PT 2
DECEMBER	1 st & 2 nd	fertilizers and manure, organic farming
	3 rd	Irrigation, cropping patterns: mixed cropping, inter cropping, crop rotation.
	4 th	Protection from weeds pests and diseases; Storage of grains
JANUARY	1 st	cattle farming, poultry farming,
	2 nd	Fish farming, bee keeping
	3 rd	. The chapter Natural Resources (NCERT Chapter 14) CHAPTER READING WITH BRIEF EXPLANATION will not be assessed in the year-end examination (for Internal Assessment)
	4 th	REVISION OF CH. IMPROVEMENT OF FOOD RESOURCES

PORTION OF EXAM WITH MARKS WEIGHTAGE FOR YEAR 2022-2023

CLASS- X

SUBJECT : BIOLOGY

EXAM	CHAPTER NO.	NAME OF THE CHAPTER
1st Periodic		The fundamental Unit of life
Half Yearly		The fundamental Unit of life
		Tissues (up to plant tissues)
2nd periodic test		The fundamental Unit of life
		Tissues (entire chapter)
Annual exam		The fundamental Unit of life
		Tissues
		Improvement of food resources
