



KARAM DEVI MEMORIAL ACADEMY

S-1, BARRA - 8, Kanpur

Class – IX
Yearly Syllabus
Session – 2019-20

Bifurcation of syllabus Class IX (English)
Books: Beehive, Moments & On Board (Lang.)

March	Lit: The fun they had (Beehive), The road not taken (Beehive) Lang: Reordering of sentences
April	Lit: The Sound of Music I & II, The Lost child, Wind Lang: Comprehension passages, Editing
May	Lit: The little girl, Rain on the roof, The Adventures of Toto Lang Diary -Entry, Omission
July	Lit: A truly Beautiful Mind, The snake and the mirror, The lake Isle of Innisfree, Iswaran-the storyteller Lang: Tenses, Modals, Subject verb Concord
August	Lit: My childhood, A legend to the northland, Packing, In the kingdom of fools Lang: Determiners, Preposition, Story writing
September	Lit: Reach for the top, No Men Are Foreign, The Happy Prince Lang: Active & Passive Voice
October	Lit: The bond of love, The Duck and the kangaroo, The Last Leaf Lang: Narration, Gap filling
November	Lit: Kathmandu, On killing a tree, A house is not a home, The beggar Lang: Clauses, Article writing
December	Lit: if I were you, The snake trying, The accidental tourist, A slumber did my spirit seal Lang: Revision

HINDI CLASS 9
(ललद्यद, रसखान)
(कोड-002)

Months	Literature	Language
March	क्षितिज (गद्य) - पाठ - प्रेमचंद क्षितिज (पद्य) - पाठ - सखियाँ (कबीर)	अपठित गद्यांश, अपठित काव्यांश, पत्र, निबंध
April	क्षितिज (पद्य) पाठ - ललद्यद रसखान कृतिका - मेरे संग की औरतें	शब्द निर्माण: उपसर्ग - प्रत्यय
May	क्षितिज (पद्य) पाठ-माखन लाल चतुर्वदी क्षितिज (गद्य) पाठ - राहुल सांस्कृत्यायन कृतिका - रीढ़ की हड्डी	समास
July	क्षितिज (पद्य) पाठ - केदारनाथ अग्रवाल क्षितिज (गद्य) पाठ - जाबिरहुसैन	अर्थ की दृष्टि से वाक्य भेद
August	पढ़ाए गया सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य	अलंकार पढ़ाए गए सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य
September	क्षितिज (गद्य) पाठ - हरिशंकर परसाई कृतिका - माटीवाली	पढ़ाए गए सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य
October	क्षितिज (पद्य) पाठ - केदारनाथ अग्रवाल क्षितिज (गद्य) - पाठ - चपला देवी	पढ़ाए गए सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य
November	क्षितिज (गद्य) पाठ - महादेवी वर्मा क्षितिज (पद्य) पाठ - सर्वेश्वर दयाल सक्सेना	पढ़ाए गए सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य
December,	क्षितिज (पद्य) चंद्रकांत देव ताले राजेश जोशी	पुनरावृत्ति कार्य
January	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य
February	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य

Subject- Mathematics
(NCERT and R. S. Agarwal)

March	Number System
April	Polynomials Factorization of Polynomials Co-ordinate Geometry
May	Linear Equation in Two Variables
July	Introduction to Euclid's Geometry Lines and Angles Triangles
August	Congruence of Triangles and Inequalities in a Triangles Area of Triangles and Quadrilaterals (Heron's Formula)
September	Probability Geometrical Constructions
	<i>Half yearly Examinations (September)</i> <i>Complete Syllabus of PT 1 and PT2</i>
October	Quadrilaterals Area of parallelogram and Triangles
November	Circles Volume and Surface area of Solids
December	Bar Graph, Histogram and Frequency Polygon Mean, Median and Mode
January	Revision and Sample Papers
	<i>Final Examinations (February) Full Syllabus</i>

CHEMISTRY Syllabus (2019-20)

Class IX

Books: NCERT science & S. Chand

Chapter	Name
1	Matter in our Surroundings
2	Is Matter around us Pure
3	Atoms and Molecules
4	Structure of Atom

Chemistry Yearly distribution of syllabus 2019-20

March 2019	Ch-1 up to Latent Heat
April 2019	Ch-1 (Complete)
May 2019	Ch-2 Is Matter around us Pure (up to Elements, Compounds, Mixtures & their properties)
July 2019	Ch-2 Solution, Suspension, Colloids & related properties
August 2019	Ch-2 complete
September 2019	Revision: Ch-1 and Ch-2 for Half Yearly Examination
October 2019	Ch-3 Atoms and Molecules (up to formula making)
November 2019	Ch-3 Atoms and Molecules
December 2019	Ch-3 Atoms and Molecules mole concept Ch-4 Structure of Atom
January 2020	Revision
February 2020	Final Examination Ch-1, Ch- 2, Ch-3, Ch-4

Chemistry Practical

Month	Practical
May 2019	Sublimation of Ammonium Chloride & sand
July 2019	To study properties of Solution, Suspension & Colloid
August 2019	Properties of Mixture & Compound
November 2019	To Study: a) Burning of Mg Ribbon b) Reaction of a) $\text{CuSO}_4 + \text{Fe}$ b) $\text{Zn} + \text{H}_2\text{SO}_4$

Syllabus Bifurcation (Yearly)

Class IX – Biology

2019-20

BOOKS: NCERT and Biology (Part I) (P.S. Verma, V.K. Agarwal)

Chapter 1	Improvement of Food Resources
Chapter 2	Cell
Chapter 3	Tissues
Chapter 4	Diversity in Living Organisms
Chapter 5	Why do we fall ill?
Chapter 6	Management of Natural Resources

Syllabus Bifurcation (Monthly)

Class IX – Biology (2019-20)

Month	Topics
March	Chapter 1: Improvement of Food Resources
April	Chapter 1: Improvement of Food Resources
May	Chapter 2: Fundamental unit of Life: Cell (till nucleus)
July	Chapter 2: Fundamental unit of Life: Cell (Cell organelles)
August	Chapter 3: Tissues
September	Chapter 4: Diversity in living organisms
October	Chapter 4: Diversity in living organisms
November	Chapter 5: Why do we fall ill?
December	Chapter 6: Management of Natural Resources

Subject-Physics (Practical)

July	Experiment Number 1- Relationship between Weight of a Body and Force Required to Just Moving it
Sep	Experiment Number 2- Density of Solid
OCT	Experiment Number 3- Archimedes' Principle
Nov	Experiment Number 4- To determine pressure of a given body.
Dec	Experiment Number 5- Reflection of Sound

Syllabus Bifurcation (Monthly) Class IX – PHYSICS [2019-20]

Books: NCERT Science & S. Chand

Month	Topics
March	CH- 1Motion Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion.
April	CH-1 Motion uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion
May	CH-2Force and Newton's laws of motion Force and Motion, Newton's Laws of Motion, Action and reaction forces, Inertia of a body, Inertia and mass, Momentum
July	CH-2Force and Newton's laws of motion] Force and Acceleration. Elementary idea of conservation of Momentum.
August	CH-3Gravitation Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.
September	CH-3Gravitation Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary Idea of Relative Density.

October	CH-4 Work, energy and power Work done by a Force, Energy, Power; Kinetic and Potential energy; Law of conservation of energy.
November	CH-4 Work, energy and power Nature of sound and its propagation in various media + CH-SOUND Structure of the Human Ear (Auditory aspect only).
December	CH-5Sound] speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo and SONAR.

SUB- SST
YEARLY SYLLABUS

HISTORY – INDIA AND THE CONTEMPORARY WORLD -I	
CHAPTER	NAME
CH 1	THE FRENCH REVOLUTION
CH 2	SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION
CH 3	NAZISM AND THE RISE OF HITLER
CH 4	FOREST SOCIETY AND COLONIALISM

GEOGRAPHY - INDIA – LAND AND THE PEOPLE

CHAPTER	NAME
CH 1	THE LOCATIONAL SETTING
CH 2	PHYSICAL FEATURES OF INDIA
CH 3	THE DRAINAGE
CH 4	CLIMATE
CH 5	NATURAL VEGETATION AND WILD LIFE
CH 6	POPULATION

POLITICAL SCIENCE – DEMOCRATIC POLITICS I

CHAPTER	NAME
CH 1	DEMOCRACY IN THE CONTEMPORARY WORLD
CH 2	WHAT IS DEMOCRACY? WHY DEMOCRACY?
CH 3	DESIGNING OF CONSTITUTION FOR A DEMOCRATIC STATE
CH 4	ELECTORAL POLITICS
CH 5	INSTITUTIONS OF PARLIAMENTARY DEMOCRACY
CH 6	CITIZENS RIGHTS IN A DEMOCRACY

ECONOMICS – UNDERSTANDING ECONOMICS	
CHAPTER	NAME
CH 1	CASE STUDY OF VILLAGE PALAMPUR
CH 2	PEOPLE AS A RESOURCE
CH 3	POVERTY
CH 4	FOOD SECURITY IN INDIA

SUB – SST

MONTHLY DISTRIBUTION OF SYLLABUS

MARCH 2019	CH 1. THE LOCATIONAL SETTING (GEO), CH 1. CASE STUDY OF VILLAGE PALAMPUR (ECO).
APRIL 2019	CH 1. DEMOCRACY IN THE CONTEMPORARY WORLD (P.S), CH 1. THE FRENCH REVOLUTION (HISTORY), CH 2. PHYSICAL FEATURES OF INDIA (GEO).
MAY 2019	CH 3. THE DRAINAGE (GEO), CH 2. WHAT IS DEMOCRACY? WHY DEMOCRACY? (P.S), CH 2. PEOPLE AS A RESOURCE (ECO).
JULY 2019	CH 2. SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION(HISTORY), CH 4. CLIMATE (GEO)
AUGUST 2019	CH 3. DESIGNING OF CONSTITUTION FOR A DEMOCRATIC STATE (P.S), CH 3. NAZISM AND THE RISE OF HITLER (HISTORY).
SEPTEMBER 2019	CH 5. NATURAL VEGETATION AND WILDLIFE (GEO), CH 4. ELECTORAL POLITICS (P.S), CH 4. POVERTY (ECO).
OCTOBER 2019	CH 4. FOREST SOCIETY AND COLONIALISM (HISTORY), CH 6. POPULATION(GEO),
NOVEMBER 2019	CH 5. INSTITUTIONS OF PARLIAMENTARY DEMOCRACY (P.S).
DECEMBER 2019	CH 6. CITIZENS RIGHTS IN A DEMOCRACY (P.S), CH 4. FOOD SECURITY IN INDIA (ECO).
JANUARY 2020	REVISION

COMPUTER APPLICATIONS

S. NO.	MONTH	TOPICS TO BE COVERED
1.	15-31 Mar	Chapter 5: Windows operating System
2.	1- 30 Apr	Chapter 7: Word Processing Tools- OpenOffice Writer
3.	1- 31 May	Chapter 8: Spreadsheet Tool- Open Office Calc
4.	1-31 Jul	Chapter 9: Presentation tool – OpenOffice Impress
5.	1-31 Aug	Chapter 1: An Introduction to Computer Chapter 2: Exploring Computer Components Chapter 3: Exploring Computer Software
6.	1-30 Sep	Chapter 4: Operating System Chapter 5: Communication Technologies and Multimedia Chapter 6: Cyber Safety
7.	1-31 Oct	Chapter 10 Scratch
8.	November	Chapter 11 Python
9.	December	Revision and Test
10	Jan	Revision and Test
11	Feb	Final Exam

Test Schedule

English

PT1	<p>Lit:</p> <ul style="list-style-type: none">• The fun they had (Beehive)• The road not taken (Beehive)• The Sound of Music I & II• The Lost child• Wind <p>Lang:</p> <ul style="list-style-type: none">• Reordering of sentences• Comprehension passages• Editing
PT2	<p>Lit:</p> <ul style="list-style-type: none">• The little girl• Rain on the roof• The Adventures of Toto• A truly Beautiful Mind• The snake and the mirror• The lake of Innisfree• Iswaran-the storyteller <p>Lang:</p> <ul style="list-style-type: none">• Diary -Entry• Omission• Tenses• Modals• Subject verb Concord + All work done till date.
Half Yearly	<p>Lit:</p> <ul style="list-style-type: none">• My childhood• A legend to the northland• Packing• In the kingdom of fools• Reach for the top + All work done till date <p>Lang:</p> <ul style="list-style-type: none">• Determiners• Preposition• Story writing + All work done till date.

<p style="text-align: center;">PT3</p>	<p>Lit:</p> <ul style="list-style-type: none"> • The bond of love • The Duck and the kangaroo • The Last Leaf • No Men are Foreign • Happy Prince • On killing a tree <p>Lang:</p> <ul style="list-style-type: none"> • Narration • Gap filling • Voice + All work done till date.
<p style="text-align: center;">Final Exam</p>	<p style="text-align: right;">Lit:</p> <ul style="list-style-type: none"> • Kathmandu • A house is not a home • The beggar • if I were you • The snake trying • The accidental tourist • A slumber did my spirit seal + All work done till date <p>Lang:</p> <ul style="list-style-type: none"> • Clauses • Article writing + All work done till date.

Hindi	
PT – 1	<p>क्षितिज (गद्य) -पाठ - प्रेमचंद क्षितिज (पद्य) -पाठ - सखियाँ (कबीर) क्षितिज (पद्य) पाठ ललद्यद, रसखान कृतिका - मेरे संग की औरतें</p> <p style="text-align: center;">व्याकरण में पढ़ाया गया सम्पूर्ण पाठ्यक्रम</p>
PT – 2	<p>(पुस्तक-क्षितिज) पुस्तक - कृतिका, व क्षितिज (पद्य) पाठ-माखन लाल चतुर्वेदी क्षितिज (गद्य) पाठ - राहुल सांस्कृत्यायन कृतिका - रीढ़ की हड्डी</p> <p style="text-align: center;">व्याकरण में PT – 1 के बाद पढ़ाया गया सम्पूर्ण पाठ्यक्रम</p>
Half Yearly Examination	अब तक पढ़ाया गया सम्पूर्ण पाठ्यक्रम
PT – 3	Half Yearly Exam के बाद पढ़ाया गया सम्पूर्ण पाठ्यक्रम
Short Examination	पढ़ाया गया सम्पूर्ण पाठ्यक्रम
Final Examination	पढ़ाया गया सम्पूर्ण पाठ्यक्रम

Subject- Mathematics

PT-1	Number System
	Polynomials Factorization of Polynomials Co-ordinate Geometry
	Linear Equation in Two Variables
PT-2	Introduction to Euclid's Geometry Lines and Angles Triangles
	Congruence of Triangles and Inequalities in a Triangles Area of Triangles and Quadrilaterals (Heron's Formula)
	Probability Geometrical Constructions
Half yearly Examination	(September) Complete Syllabus of PT 1 and PT2
PT-3	Quadrilaterals Area of parallelogram and Triangles
	Circles Volume and Surface area of Solids
	Bar Graph, Histogram and Frequency Polygon Mean, Median and Mode
	Revision and Sample Papers
Final Examination	Full Syllabus

Chemistry	
PT-1	Ch-1 Matter (complete)
PT-2	Ch-2 Solution, Suspension, Colloid (up to Pg. 68) + Ch-1 (Pg. 23-32)
Half Yearly	Ch-1 and Ch-2
PT-3	Ch-3 Atoms and Molecules
Final Exam	Ch-1, Ch- 2, Ch-3, Ch-4 + Lab Manual

Biology	
PT 1	Chapter 1: Improvement of Food Resources
PT 2	Chapter 2: Cell
Half Yearly	Chapter 1: Improvement of Food Resources Chapter 2: Cell Chapter 3: Tissues
PT 3	Chapter 4: Diversity in Living Organisms
Final Exams	Chapter 1, 2, 3, 4, 5 &6+ Lab Manual

Physics	
<i>PT 1</i>	CH-1 Motion
<i>PT 2</i>	CH-1 Motion and CH 2-Force and Newton's laws of motion (Till Newton's First law of motion)
<i>Half Yearly</i>	CH-1 Motion and CH 2-Force and Newton's laws, CH-3 Gravitation [Till topic mass and weight]
PT-3	CH-3 Gravitation: Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary Idea of Relative Density. And CH-4 Work, energy and power Work done by a Force, Energy, Power; Kinetic and Potential energy; Law of conservation of energy.
FINAL EXAM	CH-1, 2, 3, 4, 5+ Lab Manual

S.ST

PT -1	CH 1. THE STORY OF VILLAGE PALAMPUR (ECO), CH 1. DEMOCRACY IN THE CONTEMPORARY WORLD (P.S), CH 1. THE LOCATIONAL SETTING (GEO), CH 1. THE FRENCH REVOLUTION (HISTORY).
PT -2	CH 2. PEOPLE AS A RESOURCE (ECO), CH 2. WHAT IS DEMOCRACY? WHY DEMOCRACY? (P.S), CH 2. PHYSICAL FEATURES OF INDIA (GEO), CH 3. THE DRAINAGE (GEO), CH 2. SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION (HISTORY).
HALF YEARLY	PT 1+PT 2 SYLLABUS CH 3. POVERTY (ECO), CH 3. DESIGNING OF CONSTITUTION FOR A DEMOCRATIC STATE (P.S), CH 4. ELECTORAL POLITICS (P.S), CH 5. INSTITUTIONS OF PARLIAMENTARY DEMOCRACY (P.S), CH 4. CLIMATE (GEO), CH 5. NATURAL VEGETATION AND WILDLIFE (GEO), CH 3. NAZISM AND THE RISE OF HITLER (HISTORY).
PT -3	CH 4. FOOD SECURITY IN INDIA(ECO), CH 6. CITIZENS RIGHTS IN A DEMOCRACY (P.S), CH 6. POPULATION GEO), CH 4. FOREST SOCIETY AND COLONIALISM (HISTORY),
FINAL EXAM	<i>FULL SYLLABUS</i>

COMPUTER APPLICATIONS

S.NO.	MONTH	TOPICS TO BE COVERED
1.	PT-1	Chapter 7: Word Processing Tools- OpenOffice Writer
2.	PT-2	Chapter 8: Spreadsheet Tool- Open Office Calc Chapter 9: Presentation tool – OpenOffice Impress
3.	Half Yearly	Chapter 1: An Introduction to Computer Chapter 2: Exploring Computer Components Chapter 3: Exploring Computer Software Chapter 7: Word Processing Tools- OpenOffice Writer Chapter 8: Spreadsheet Tool- Open Office Calc Chapter 9: Presentation tool – OpenOffice Impress
4.	PT-3	Chapter 4: Operating System Chapter 5: Communication Technologies and Multimedia Chapter 6: Cyber Safety Chapter 10 Scratch Chapter 11 Python
6.	Final Exam	Complete syllabus