



KARAM DEVI MEMORIAL ACADEMY

S-1, BARRA - 8, Kanpur

Class – X
Yearly Syllabus
Session – 2019-20

ENGLISH

MONTH	FIRST FLIGHT	FOOTPRINTS	LANGUAGE
March	A Letter to God, Dust of snow	L-1 A Triumph of Surgery	Editing & Re-ordering of sentences Letter to Editor
April	Nelson Mandela Two Stories about Flying Fire & Ice	L-2 The Thief's Story	Comprehension Passage Letter of Enquiry Omission
May	From the Diary of Anne Frank The Hundred Dresses-I A Tiger in the Zoo	L-3 The Midnight Visitor	Tenses Letter of Complaint
July	L5&6-The Hundred Dresses- I&II, P-4How to Tell Wild Animals	L-4- A Question of Trust	Modals, Passive Voice, Story Writing
August	L-7 Glimpses of India P-5 The Ball Pen P-6 Amanda	L-5 Footprints Without Feet	Subject-Verb Concord, Prepositions, Article Writing
September	L-8 Mijbil the Otter P-7 Animals P-8 The Trees	L-6 The Making of a Scientist	Gap Filling, Revision for Half-Yearly Exams
October	L-9 Madam Rides the Bus P-9 Fog P-10 The Tale of Custord Dragon	L-7 The Necklace L-8 The Hack Driver	Reported Speech, Placing Order
November	L-10 The Sermon at Benares L-11 The Proposal P-11 For Anne Gregory	L-9 Bholi L-10 The Book that Saved the Earth	Revision

CLASS-X HINDI LANGUAGE & LITERATURE
(Session 2019-20)

BOOKS: क्षितिज&कृतिका

Months	Literature	Language
March	क्षितिज (पद्य) पाठ – सूरदास	अलंकार, पत्र, निबंध
April	क्षितिज (गद्य) पाठ – नेताजी का चश्मा कृतिका – माता का आँचल	रचना के आधार पर वाक्य भेद, पद – परिचय
May	क्षितिज (पद्य) पाठ - तुलसीदास क्षितिज (गद्य) पाठ - बालगोबिन भगत	रस, अपठित गद्यांश और काव्यांश
July	क्षितिज (पद्य) पाठ – सूर्यकांत त्रिपाठी “निराला”, नागार्जुन क्षितिज (गद्य) पाठ – लखनवी अंदाज	1. वाच्य 2. विज्ञापन
August	क्षितिज (गद्य) पाठ - मानवीय करुणा की दिव्य चमक कृतिका - जॉर्ज पंचम की नाक	पुनरावृत्ति कार्य
September	पढ़ाए गए सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य क्षितिज (पद्य) पाठ - गिरिजाकुमार माथुर, ऋतुराज	पढ़ा, ग, सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति कार्य
October	क्षितिज (गद्य) पाठ – एक कहानी यह भी कृतिका – सानासाना हाथ जोड़ि	पुनरावृत्ति कार्य
November	क्षितिज (पद्य) पाठ - मंगलेश डबराल क्षितिज (गद्य) पाठ - नौबत खाने में इबादत	पुनरावृत्ति कार्य
December, January & February	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य

Syllabus of Class X (Year 2019-20)**Subject- Mathematics****(NCERT and R. S. Agarwal)**

March	Pair of Linear Equations in Two Variables
April	Real Numbers Polynomials
May	Triangles
July	Arithmetic Progression Quadratic Equation
August	Introduction to Trigonometry Applications of Trigonometry
September	Circles Geometrical Constructions, Probability
	<i>Half yearly Examinations (September) Complete Syllabus of PT 1 and PT2</i>
October	Co-ordinate Geometry Statistics
November	Area related to circles Volume surface and Area of Solids
December	Prelim-1 (full syllabus)
January	Prelim-2 (full syllabus)

SYLLABUS PHYSICS

BOOKS: NCERT SCIENCE & S. CHAND

Chapter	Name
1	Electricity
2	Magnetic effect of current
3	Light-Reflection & refraction
4	Human eye and colourful world
5	Sources of energy

PHYSICS

Yearly & Monthly planner & Syllabus

March 2019	Electricity (OHM's law, Domestic circuits, Combination of resistance)
April 2019	Electricity (Electric power & Heating effect of current)
May 2019	Magnetic effect of electric current
July 2019	Light-Reflection (Sign convention for mirror formula)
August 2019	Refraction of light (Lens formula with sign convention)
September 2019	Sources of energy
October 2019	Human eye
November 2019	Colourful world
December 2019	Revision + Prelims-1(All Chapters)
January 2020	Prelims-2(All Chapters)

PHYSICS
PRACTICALS

Month	Practical
May 2019	OHM's law (Draw the graph between electric current & electric potential)
July 2019	Find the rough focal length of concave mirror
September 2019	Draw the magnetic fields lines through magnet & compass needle
October 2019	Find the rough focal length of convex lens
November 2019	Determine the focal length of convex lens through optical bench

CHEMISTRY
BOOKS: NCERT SCIENCE & S. CHAND

CHAPTER	NAME
1	Chemical Reactions and Equations.
2	Acids, Bases and Salts
3	Metals and Non-Metals
4	Carbon and it's Compounds
5	Periodic Classification of Elements

CHEMISTRY

YEARLY DISTRIBUTION OF SYLLABUS

March 2019	Ch-1 Balancing of Chemical Reactions, Characteristics of Reactions, Types of Reactions.
April 2019	Effects of Oxidation Corrosion and Rancidity. Revision of Ch-1.
May 2019	Ch-2 Acids, Bases and Salts. Characteristics of Acids, Bases and Salts with Reactions.
July 2019	Types of Salts and Details. Ch-3 Metals and Non – Metals, Characteristics of Metals and Non – Metals.
August 2019	Bonding & Metallurgy of Various Elements and Practical.
September 2019	Revision of Ch-1, 2 and 3
October 2019	Ch-4 Carbon and it's Compounds up to Functional Groups
November 2019	Ch-4 Carbon and its Compounds Properties of Ethanol, Ethanoic Acids, Soaps and Detergents + Ch-5 Periodic classification of elements.
December 2019	Revision + Practical + Prelims-1.
January 2020	Prelims-2.

CHEMISTRY PRACTICAL

Month	Practical
May 2019	1) Finding pH of following samples using pH: a) Dilute Hydrochloric Acid b) Dilute NaOH Solution c) Dilute Ethanoic Acid d) Lemon Juice e) Water f) Dilute Hydrogen Carbonate
May 2019	2) Performing and Observing the Following Reactions: a) Combination Reaction b) Decomposition Reaction c) Displacement Reaction d) Double Displacement Reaction
July 2019	3) Observing the action of Zn, Fe, Cu, Al metals a) $ZnSO_4$ b) $FeSO_4$ c) $CuSO_4$ d) $Al_2(SO_4)_3$
November 2019	4) Study of Following Properties of Acetic Acid: a) Odour b) Solubility of Water c) Effect on Litmus 5) Study of Cleansing Capacity of Soap in Soft and Hard water.

Biology

BOOKS: NCERT and Biology (Part II) (Lakhmir Singh and Manjit Kaur)

Chapter 1	Life Processes
Chapter 2	Control and Coordination
Chapter 3	How do organisms reproduce?
Chapter 4	Heredity and Evolution
Chapter 5	Our Environment
Chapter 6	Natural Resources

Syllabus Bifurcation (Monthly)

Biology

Month	Topics
March	Chapter 1: Life Processes (Nutrition)
April	Chapter 1: Life Processes (Respiration)
May	Chapter 1: Life Processes (Excretion and Circulation)
July	Chapter 2: Control and Co-ordination (plants)
August	Chapter 2: Control and Co-ordination (animals)
September	Chapter 3: How do organisms reproduce
October	Chapter 4: Heredity and Evolution
November	Chapter 5: Our Environment Chapter 6: Natural Resources

Social Science

YEARLY DISTRIBUTION OF SYLLABUS

MARCH 2019	CH 1. POWER SHARING (P.S), CH 1. DEVELOPMENT (ECO).
APRIL 2019	CH 4. THE MAKING OF A GLOBAL WORLD (HISTORY), CH 1. RESOURCES AND DEVELOPMENT (GEO)
MAY 2019	CH 4. AGRICULTURE (GEO), CH 2. FEDERALISM (P.S), CH 2. SECTORS OF THE INDIAN ECONOMY (ECO).
JULY 2019	CH 7. PRINT CULTURE AND THE MODERN WORLD (HISTORY), CH 5. MINERAL AND ENERGY RESOURCES (GEO),
AUGUST 2019	CH 3. MONEY AND CREDIT (ECO), CH4. GENDER, RELIGION AND CASTE (P.S), CH 3. NATIONALISM IN INDIA (HISTORY).
SEPTEMBER 2019	CH 6. MANUFACTURING INDUSTRIES (GEO), CH 6. POLITICAL PARTIES (P.S), CH 4. GLOBALISATION AND THE INDIAN ECONOMY (ECO).
OCTOBER 2019	CH 1. THE RISE OF NATIONALISM IN EUROPE (HISTORY), CH 7. LIFE LINES OF NATIONAL ECONOMY (GEO),
NOVEMBER 2019	CH 7. OUTCOMES OF DEMOCRACY (P.S).
DECEMBER 2019	REVISION AND PRELIMS- 1.
JANUARY 2020	PRELIMS -2.

Social Science

YEARLY SYLLABUS

HISTORY- INDIA AND THE CONTEMPORARY WORLD – II	
CHAPTER	NAME
CH 1	THE RISE OF NATIONALISM IN EUROPE (HISTORY)
CH 3	NATIONALISM IN INDIA
CH 4	THE MAKING OF A GLOBAL WORLD
CH 7	PRINT CULTURE AND THE MODERN WORLD

GEOGRAPHY – INDIA- RESOURCES AND THEIR DEVELOPMENT	
CHAPTER	NAME
CH 1	RESOURCES AND DEVELOPMENT
CH 4	AGRICULTURE
CH 5	MINERAL AND ENERGY RESOURCES
CH 6	MANUFACTURING INDUSTRIES
CH 7	LIFELINES OF NATIONAL ECONOMY

POLITICAL SCIENCE – DEMOCRATIC POLITICS - II	
CHAPTER	NAME
CH 1	POWER SHARING
CH 2	FEDERALISM
CH 4	GENDER, RELIGION AND CASTE
CH 6	POLITICAL PARTIES
CH 7	OUTCOMES OF DEMOCRACY

ECONOMICS – UNDERSTANDING ECONOMIC DEVELOPMENT - II	
CHAPTER	NAME
CH 1	DEVELOPMENT
CH 2	SECTORS OF THE INDIAN ECONOMY
CH 3	MONEY AND CREDIT
CH 4	GLOBALISATION AND THE INDIAN ECONOMY

COMPUTER APPLICATIONS

S.NO.	MONTH	TOPICS TO BE COVERED
1.	15-31 Mar	Chapter 5: Information Representation Method HTML-1
2.	1- 30 April	Chapter 6: Information Representation Method HTML-2
3.	1- 31 May	Chapter 7: Information Representation Method XML
4.	1-31 July	Chapter 1: Introduction to the Internet Chapter 2: Internet and Web Services
5.	1-31 Aug	Chapter 8: Social Impacts of IT Chapter 9: IT Applications
6.	1-30 Sep	Chapter 10: Python Programming Chapter 11: Scratch programming
7.	October	Revision and Test
8.	November	Revision and Test
9.	December	Revision and Test

TEST SCHEDULE

CLASS-X ENGLISH LANGUAGE & LITERATURE

(Session 2019-20)

BOOKS: FIRST FLIGHT & FOOT-PRINTS

PT-1	FIRST FLIGHT - L-1 A Letter to God, L-2 Nelson Mandela, L-3 Two Stories about Flying, POEM -1 Dust of Snow, 2 Fire & Ice FOOT-PRINTS L-1 A Triumph of Surgery, L-2 The Thief's Story Writing & Grammar- All the work done in Note-books
PT-2	FIRST FLIGHT- L-4 From the Diary of Anne Frank, L_5&6- The Hundred Dresses Part 1&2 POEM- 3- A Tiger in the Zoo, 4- How to Tell Wild Animals FOOT-PRINTS- L-3 The Midnight Visitor L-4 A Question of Trust Writing & Grammar- All the work done in Note-books
Half Yearly Examination	SYLLABUS OF PT-1, PT-2 & Half Yearly Examination: FIRST FLIGHT - L-7 Glimpses of India POEM- 5- The Ball pen, 6- Amanda FOOT-PRINTS L-L-5 Footprints Without Feet Writing & Grammar- All the work done in Note-books
PT-3	FIRST FLIGHT- L-8 Mijbil the Otter, L-9 Madam Rides the Bus POEM- 7-Animals, 8- The Trees FOOTPRINTS- L-6 The Making of a Scientist, L-7 The Necklace Writing & Grammar- All the work done in Note-books
PRELIM 1	Full Syllabus
PRELIM 2	Full Syllabus

Subject- HINDI

Months	Literature	Language
PT – 1	क्षितिज (पद्य) पाठ – सूरदास	अलंकार, पत्र, निबंध
	क्षितिज (गद्य) पाठ - नेताजी का चश्मा कृतिका - माता का आँचल	रचना के आधार पर वाक्य भेद, पद - परिचय
	क्षितिज (पद्य) पाठ - तुलसीदास क्षितिज (गद्य) पाठ - बालगोबिन भगत	रस, अपठित गद्यांश और काव्यांश व्याकरण में पढ़ाया गया सम्पूर्ण पाठ्यक्रम
PT – 2	क्षितिज (पद्य) पाठ – सूर्यकांत त्रिपाठी “निराला” नागार्जुन क्षितिज (गद्य) पाठ – लखनवी अंदाज	1. वाच्य 2. विज्ञापन
	क्षितिज (पद्य) ऋतुराज क्षितिज (गद्य) पाठ – मानवीय करुणा की दिव्य चमक कृतिका - जार्ज पंचम की नाक	व्याकरण में पढ़ाया गया सम्पूर्ण पाठ्यक्रम
Half Yearly Examination –	पढ़ाया गया सम्पूर्ण पाठ्यक्रम	व्याकरण में पढ़ाया गया सम्पूर्ण पाठ्यक्रम
PT – 3	क्षितिज (पद्य) पाठ – गिरिजाकुमार माथुर क्षितिज (गद्य) पाठ – एक कहानी यह भी कृतिका – सानासाना हाथ जोड़ि	व्याकरण में पढ़ाया गया सम्पूर्ण पाठ्यक्रम
	क्षितिज (पद्य) पाठ – मंगलेश डबराल क्षितिज (गद्य) पाठ – नौबत खाने में इबादत	
Prelims – I Prelims - 2	पढ़ाया गया सम्पूर्ण पाठ्यक्रम	पढ़ाया गया सम्पूर्ण पाठ्यक्रम

Subject- Mathematics

PT-1	Pair of Linear Equations in Two Variables
	Real Numbers Polynomials
	Triangles
PT-2	Introduction to Trigonometry Some Applications of Trigonometry Quadratic Equation
	Arithmetic Progression
	Circles Geometrical Constructions, Probability
Half yearly Examination	Complete Syllabus of PT 1 and PT2
PT-3	Co-ordinate Geometry Statistics
	Area related to circles Volume surface and area of solids
Prelim1	Full syllabus
Prelim2	Full syllabus

Subject- PHYSICS

TEST SYLLABUS

TEST	SYLLABUS
PT-1	Electricity (OHM's law, Domestic circuits, Electric power and heating effect of current)
PT-2	Magnetic effect of electric current
Half Yearly	Electricity, Magnetic effect of electric current, Reflection & refraction of light
PT-3	Human eye and colourful world
Prelims-1	Ch-1, Ch-2, Ch-3, Ch-4, Ch-5+ Lab. Manual
Prelims-2	Ch-1, Ch-2, Ch-3, Ch-4, Ch-5+ Lab. Manual

Subject-Chemistry

TEST	SYLLABUS
PT-1	Ch-1 Chemical Reactions and Equations
PT-2	Ch-2 Acids, Bases and Salts
Half Yearly	Ch-1 Chemical Reactions and Equations Ch-2 Acids, Bases and Salts Ch-3 Metals and Non-Metals
PT-3	Ch-4 Carbon and it's Compounds
Prelims-1	Ch-1, Ch-2, Ch-3, Ch-4, Ch-5+ Lab. Manual
Prelims-2	Ch-1, Ch-2, Ch-3, Ch-4, Ch-5+ Lab. Manual

Subject- Biology

PT 1	CHAPTER 1: Life Processes (Nutrition, Respiration)
PT 2	Chapter 1: Life Processes (Transport, Excretion) Chapter 2: Control and Coordination
Half Yearly	Chapter 1: Life Processes Chapter 2: Control and Coordination Chapter 3: How do organisms reproduce?
	Chapter 4: Heredity and Evolution
PRELIMS 1 and 2	Full Syllabus+ Lab. Manual
PRELIMS 1 and 2	Full Syllabus + Lab. Manual

SUB -SOCIAL SCIENCE

TEST SYLLABUS

<i>TEST</i>	<i>SYLLABUS</i>
PT -1	CH 1. DEVELOPMENT (ECO), CH 1. POWER SHARING (P.S), CH 1. RESOURCES AND DEVELOPMENT(GEO), CH 4. MAKING OF A GLOBAL WORLD (HISTORY).
PT -2	CH 2. SECTORS OF THE INDIAN ECONOMY (ECO), CH 2. FEDERALISM (P.S), CH 4. AGRICULTURE (GEO), CH 7. PRINT CULTURE AND THE MODERN WORLD (HISTORY).
HALF YEARLY	PT 1+PT 2 SYLLABUS CH 3. MONEY AND CREDIT (ECO,) CH 4. GENDER, RELIGION AND CASTE (P.S), CH 6. POLITICAL PARTIES (P.S), CH 5. MINERALS AND ENERGY RESOURCES (GEO), CH 6. MANUFACTURING INDUSTRIES(GEO), CH 3. NATIONALISM IN INDIA (HISTORY).
PT -3	CH 4. GLOBALISATION AND THE INDIAN ECONOMY(ECO), CH 7. OUTCOMES OF DEMOCRACY (P.S), CH 7. LIFELINES OF INDIAN ECONOMY(GEO), CH 1. THE RISE OF NATIONALISM IN INDIA (HISTORY).
PRELIMS – 1	<i>FULL SYLLABUS</i>
PRELIMS – 2	<i>FULL SYLLABUS</i>

COMPUTER APPLICATIONS
Syllabus for Test Session 2019-20
FOR CLASS 10

S.NO.	MONTH	TOPICS TO BE COVERED
1.	PT-1	Chapter 5: Information Representation Method HTML-1
2.	PT-2	Chapter 5: Information Representation Method HTML-1 Chapter 6: Information Representation Method HTML-2 Chapter 7: Information Representation Method XML
3.	Half Yearly	Chapter 5: Information Representation Method HTML-1 Chapter 6: Information Representation Method HTML-2 Chapter 7: Information Representation Method XML Chapter 1: Introduction to the Internet Chapter 2: Internet and Web Services Chapter 8: Social Impacts of IT Chapter 9: IT Applications
4.	PT-3	Chapter 11: Python Chapter 12: Scratch
6.	Pre-boards	Complete syllabus