

**Motilal Nehru Public**

Jamshedpur

**Yearly Syllabus 2019-2020****X A,B,C**

<b>*ENGLISH LITERATURE</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
The Merchant of Venice- Act II & Act III, Selected portion of Std. IX will be added	The Merchant of Venice- Act III Prose: Hearts & Hands Poetry: About Ben Adhem, I know why the caged bird sings Selected portion of IX to be added
<b>UT-2</b>	<b>SECOND TERM</b>
Project & Class test on Drama	The Merchant of Venice- Act IV Prose: The Blue Bead, All Summer in a Day Poetry: Nine Gold Medals, The patriot
<b>UT-3</b>	Selected portion of IX and 1st term. The Merchant of Venice- Act IV
<b>PRE BOARD EXAM. PORTION</b>	
Merchant of Venice- Act V (Whole), Entire portion of IX and X, Revision	
<b>*ENGLISH LANGUAGE</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
Transformation of sentences, E-mail and notice	Agreement of verb with subject, Tenses & their uses (I & II), Active and passive voice, The sequence of Tenses, Test paper 1 to 5, (Letter-Formal & Informal, Compositions, Comprehension Passage Notice, E-mail (To be done from test paper 1 to 5)),
<b>UT-2</b>	<b>SECOND TERM</b>
Project & Listening and speaking skill	Synthesis, Direct & Indirect speech, Transformation of sentences-I & II Test paper 6 to 10, (Letter-Formal & Informal, Compositions, Comprehension Passage Notice, E-mail (To be done from Test paper 6 to 10))
<b>UT-3</b>	Transformation of sentences, Letter writing
<b>PRE BOARD EXAM</b>	
Sentences, Prepositions, Articles, Test paper 11 to 15, (Letter-Formal & Informal, Compositions, Comprehension Passage Notice, E-mail (To be done from Test paper 11 to 15))	

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<b>*HINDI</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
Sandeh, Vyakaran sambandi prashna	Sandeh, Vinay ke Pad, Sakhi, Bhikhchuk, Jamun ka ped, Chitralikhan,Khanilikhan, 2 Nibandh, 2 patra, Vyakaran sambandi prashna
<b>UT-2</b>	<b>SECOND TERM</b>
Project & Class test on Kisi prasidha byakti ka byatitwa aur unka bhashan	Bhedein aur Bhediyein, Do kalakaar, Chalna hamara kaam hai, Maatri mandir ki aur, Chitralikhan,Khanilikhan
<b>UT-3</b>	Vyakaran sambandhi Prashana,Apathit Gadyansh - 2, Nibandh - 2 (Varnatmak aur Vicharatmak) Patra - 2 (Aupcharik, Anaupcharik),
<b>PRE BOARD EXAM</b>	
Whole book, whole grammer	Chitralikhan,Khanilikhan,
Vyakaran sambandhi Prashana,Nibandh - 2 (Varnatmak aur Vicharatmak),Patra - 2 (Aupcharik, Anaupcharik), Proton covered in whole year	Board Proj.-Bhaktikalin kisi ek kabi ke byaktitwa aur krititwa ka pura aakalan prastut korte hue unki rachna ka udaharan de kor bykhya prastut kijie,Ek chalchitra ka barnan
<b>*HISTORY &amp; CIVICS</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
The Union Parliament	The Union Parliament,The Union Executive(The President & The VP,Prime Minister & Council of Ministers,The Union Cabinet), Factors leading to the growth of nationalism & the Foundation of INC,First & Second Phase of Indian National movement
The First World War	The First War of Independence
<b>UT-2</b>	<b>SECONDTERM</b>
Project on Life sketch & contributions of any Presidents of India Class Test on Rise of Dictatorship, The First & Second World War	NAM,The Cold War,The First & Second World War,UNO,The Union Parliament Mass Phase of National Movement (1915-1947),The Union Judiciary Subhas Chandra Bose
<b>UT-3</b>	Prime Minister & Council of Ministers
The Union Executive(President & V.P.) Prime Minister & Council of Ministers	
<b>PRE BOARD EXAM</b>	
ICSE question papers to be discussed,All chapters covered in std X,Independence & partition of India,The Subordinate courts	

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The entire portion of ICSE for the Pre-board	
<b>*GEOGRAPHY</b>	
<b>UT- I</b>	<b>FIRST TERM</b>
Minerals and Energy Resources -I & Climate	Climate of India,Soils in India,Natural Vegetation of India, Transport, Minerals and Energy Resources -I & II,Map of India and Survey Map
<b>UT-2</b>	<b>SECOND TERM</b>
Project Work(Waste Management) and Class Test on Agriculture in India-II	Agriculture in India-I,II & III,Water Resource,Manufacturing Industries in India-I & II , Portion covered in First Term, Map of India and Survey Map
<b>UT-3</b>	
Water Resources & Transport	
<b>PRE BOARD EXAM</b>	
Waste Generation & Management,Need for Management of Waste-Reduce ,Reuse, Recycle, Entire syllabus covered in all Terms, Map of India and Survey Map	
<b>*MATHEMATICS</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
Linear Inequations, Trigonometry, Quadratic Equation, Statistics	UT 1 Portion, Banking, Factor Theorem,Share and dividends, Co-ordinate Geometry -Reflection,Distance and Section Formulae, equation of straight line, Matrices, Probability
<b>UT-2</b>	<b>SECOND TERM</b>
Project - GST,statistics Class Test - Statistics, Banking,Linear Inequations	Similarity, GST Circles (Chord property, Arc property, Angle property, Tangent Property, Alternate segment theorem),Construction,Ratio and Proportions,
<b>UT -3</b>	
Statistics,linear inequation,Banking, Factor Theorem	Locus, Portion of 1st Term and UT-2
<b>PRE BOARD EXAM</b>	
Arithmetic and Geometric progressions, Mensuration,Portion covered throughout the year, solving 5 model test papers, All chapters of 1st term, 2nd term and UT-3	
<b>*PHYSICS</b>	

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<b>UT-1</b>	<b>FIRST TERM</b>
Force,Sound	Force,Work-Power-Energy,Sound,Current electricity
	Electric power and household circuit, Electromagnetism
	Practicals: (1) Verification of Ohm's law. Plotting of graph and obtain the slope
	Test of Resonance by Air column
	(3)Verification of Snell's Law and lateral displacement using glass slab .
	(4) Determine the focal length of a convex lens by distance objects(Wall Projection)
<b>UT-2</b>	<b>SECOND TERM</b>
Project & Class Test on MACHINE	Machine ,Refraction of light through plane surfaces, refraction of light through lenses, spectrum,Portion covered in First term.
	Practicals :(1) Lever: verification of principle of moment ( Principle of lever)
	(2) Determine the focal length of a convex lense by using two pins method
	(3)Refraction through prism , determine the refractive index of a glass prism .
	To verify the forces on inclined plane & pulley
	the temprature reading and masses of cold water , warm water and its mixture taken in calori meter.
<b>UT-3</b>	
Calorimeter,Modern Physics	
(Radioactivity Nuclear Fission-Fusion )	
<b>PRE BOARD EXAM</b>	
Potion covered in all terms,Last 5 years question paper solve and 3 model test paper solve	
<b>*CHEMISTRY</b>	
<b>UT-1</b>	<b>FIRST TERM</b>
Electrolysis,Chemical bonding,Ammonia	Mole concept,Electrolysis, Acid, Bases & Salts,
	Ammonia, Periodic table, Chemical bonding,HCl
	Prac:Action of heat on salt
<b>UT-2</b>	<b>SECOND TERM</b>
Project & Class Test on Industrial preparation and	Metallurgy, Sulphuric acid , Nitric acid, Analytical chemistry
Chemical,properties of Ammonia,Nitric acid &	Hydrogen chloride, Mole concept,Organic Chemistry upto Nomenclature
Sulphuric acid and its uses	Prac:Confirmative test for gases

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<b>UT-3</b>	
Analytical Chemistry, Alkenes	
<b>PRE BOARD EXAM</b>	
Organic Chemistry, Practical chemistry, Electrolysis of aq. Sol. of NaCl & Copper Sulphate, Whole year portion	
Prac: Distinction between an acidic and alkaline sol., Action of NaOH & Ammonium Hydroxide, Flame test	
<b>*BIOLOGY</b>	
	<b>FIRST TERM</b>
<b>UT-1</b>	Cell Division, Cell, Genetics,
Circulatory System	Pollution, Circulatory and Excretory system
	Prac: Slides of Mitosis, Exp. On Osmosis, Diffusion & Absorption, Types of Blood Cells
	<b>SECOND TERM</b>
<b>UT-2</b>	Transpiration, Photosynthesis, Endocrine System, Human Revolution
Practical assignment & Class Test - Population	Absorption by roots, Population
	Prac: Exp. On Transpiration & Photosynthesis, Specimen of Brain, Heart, Eye, Ear
<b>UT-3</b>	
Nervous System	
<b>PRE BOARD EXAM</b>	
Nervous System, Sense Organ, Reproductive System, Chemical Co-ordination in plants, All Chapters of 1st and 2nd Term	
Revision of 1st & 2nd Term	
<b>*COMPUTER</b>	
	<b>FIRST TERM</b>
<b>UT-1</b>	User Defined Method
	Revising Basic JAVA Concepts, Class as Basis of All Computation, Arrays,
	Entire portion covered in std IX & UT1
<b>UT-2</b>	<b>SECOND TERM</b>
Prac. Test on Arrays	Using Library class, String Handling, Entire portion covered in std IX and First Term
<b>UT3</b>	
Constructor	
<b>PRE BOARD EXAM</b>	
Encapsulation, Entire portion covered in std IX & X	

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	<b>ETHICS</b>
	<b>FIRST TERM</b>
	Know Yourself, Value of the Month
	<b>SECOND TERM</b>
	Spirit of Positivity, Value of the Month
	<b>FINAL TERM</b>
	Successful People as Role Models, Value of the Month
	<b>S.U.P.W.</b>
	<b>FIRST TERM</b>
	Donation to Missonaries of Charity
	<b>SECOND TERM</b>
	Social Service to Needy(Collection of old clothes, medicines and other materials and packed in a form of gift)
	Minimum three items should be brought by each student.
	<b>FINAL TERM</b>
	Donation to Old age home

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