



RAMAGYA SCHOOL, NOIDA
TERM WISE ANNUAL CURRICULUM, 2023-24
SUBJECT: ENGLISH
CLASS: XI

Prescribed Books:

1. HORNBILL - NCERT
2. SNAPSHOTS - NCERT

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL (Number of Working Days: 16)	18	Bridge the Gap – Revision Sessions The Portrait of a Lady (Prose - HORNBILL) A Photograph (Poetry - HORNBILL) Tenses – Recap and Gap Filling Exercises Poster Making	LITERATURE GRAMMAR WRITING SKILLS	<u>IT SUPPORT:</u> Extramarks Module on: The Portrait of a Lady (Prose - HORNBILL) A Photograph (Poetry - HORNBILL) Tenses <u>ENGLISH CONVERSATION ACTIVITY:</u> Extempore	4.1.1.1. (Study of visual resources as means of creative expression) Imagine yourself in place of Khushwant Singh and write a paragraph describing his state of mind.

<p>MAY (Number of Working Days: 22)</p>	<p>26</p>	<p>Revision for PT 1</p> <p>The Summer of the Beautiful White Horse (Prose - SNAPSHOTS)</p> <p>The Address (Prose - SNAPSHOTS)</p> <p>Clauses – Concept and Gap Filling Exercises</p> <p>Speech Writing</p> <p>Note Making and Summary Writing</p>	<p>LITERATURE</p> <p>GRAMMAR</p> <p>WRITING SKILLS</p>	<p><u>IT SUPPORT:</u></p> <p>Extramarks Module on:</p> <p>The Summer of the Beautiful White Horse (Prose - SNAPSHOTS)</p> <p>The Address (Prose - SNAPSHOTS)</p> <p>Clauses</p> <p><u>ENGLISH CONVERSATION ACTIVITY:</u> Role Play – A Day with my Favourite Actor</p>	<p>4.2.2.3. (Five folk or tribal songs of different regions, indicating time of the year, occasion and the function with which they are related. Write down the same with their meaning and knowledge of their rhythm)</p>
<p>JULY (Number of Working Days: 21)</p>	<p>24</p>	<p>“We ‘re Not Afraid to Die If We Can Be Together” (Prose - HORNBILL)</p> <p>The Laburnum Top (Poetry - HORNBILL)</p> <p>Sentence Re-ordering</p>	<p>LITERATURE</p>	<p><u>IT SUPPORT:</u></p> <p>Extramarks Module on:</p> <p>“We ‘re Not Afraid to Die If We Can Be Together” (Prose - HORNBILL)</p> <p>The Laburnum Top (Poetry - HORNBILL)</p>	<p>4.1.1.3. (Sketching from nature and surrounding)</p> <p>Imagine you are the narrator of ‘<i>The Laburnum Top</i>’. Sketch the view as described by the narrator.</p>

		Transformation of Sentences Classified Advertisements – For Sale, To Let, Situation Vacant, Missing, Pets and Kennels, Matrimonial Revision for PT II	GRAMMAR WRITING SKILLS	ENGLISH CONVERSATION ACTIVITY: Extempore – Idioms and Proverbs	
AUGUST (Number of Working Days: 21)	24	Discovering Tut: The Saga Continues (Prose - HORNBILL) The Voice of the Rain (Poetry - HORNBILL) Tenses – Recap and Gap Filling Exercises Clauses – Concept and Gap Filling Exercises Sentence Re-ordering Transformation of		IT SUPPORT: Extramarks Module on: Discovering Tut: The Saga Continues (Prose - HORNBILL) The Voice of the Rain (Poetry - HORNBILL) ENGLISH CONVERSATION ACTIVITY: Debate – Work From Home – The New Normal?	4.4.2.7. Play-writing: unscripted play to be written down in the form of a script to be acted. <i>With reference to 'Voice of the Rain'</i>

		Sentences Debate Writing Revision for Half Yearly			
SEPTEMBER (Number of Working Days: 6)	7	REVISION / MID-TERM EXAMINATION	LITERATURE GRAMMAR WRITING SKILLS		-
OCTOBER (Number of Working Days: 19)	22	The Adventure (Prose - HORNBILL) Childhood (Poetry - HORNBILL) Tenses – Recap and Gap Filling Exercises Clauses – Concept and Gap Filling Exercises Sentence Re-ordering Transformation of Sentences	LITERATURE GRAMMAR	<u>IT SUPPORT:</u> Extramarks Module on: The Adventure (Prose - HORNBILL) Childhood (Poetry - HORNBILL) <u>ENGLISH CONVERSATION ACTIVITY:</u> Talk Show	4.2.2.6. (Patriotic Song) Self-compose a patriotic song on the theme of universal love and amity.

		Poster Making	WRITING SKILLS		
NOVEMBER (Number of Working Days: 17)	19	<p>Silk Road (Prose - HORNBILL)</p> <p>Tenses – Recap and Gap Filling Exercises</p> <p>Clauses – Concept and Gap Filling Exercises</p> <p>Sentence Re-ordering</p> <p>Transformation of Sentences</p> <p>Speech Writing</p> <p>Revision for PT III</p>	<p>LITERATURE</p> <p>GRAMMAR</p> <p>WRITING SKILLS</p>	<p><u>IT SUPPORT:</u></p> <p>Extramarks Module on: Silk Road (Prose - HORNBILL)</p> <p><u>ENGLISH CONVERSATION ACTIVITY:</u> Jingles - Advertisements</p>	<p>4.1.1.3 Sketching From Nature and surroundings</p> <p>Imagine yourself to be the narrator of the Silk Road. Sketch the most beautiful part of the journey.</p>
DECEMBER (Number of Working Days: 20)	24	<p>Birth (Poetry - SNAPSHOTS)</p> <p>Father to Son (Poetry - HORNBILL)</p>	LITERATURE	<p><u>IT SUPPORT:</u></p> <p>Extramarks Module on: Birth (Poetry - SNAPSHOTS)</p>	<p>4.4.2.4. Exercises in creation of plot and conflict based on: (i) episodes and happenings in day-to-day life situations: (ii) episodes from stories</p>

		Sentence Re-ordering Transformation of Sentences Debate Writing	WRITING SKILLS		
FEBRUARY (Number of Working Days: 21)	24	REVISION FOR ANNUAL EXAMS	LITERATURE GRAMMAR WRITING SKILLS	ENGLISH CONVERSATION ACTIVITY: Group Discussion – Mars – The New Home for Humans?	-
MARCH	-	ANNUAL EXAMINATION	-	-	-

SUBJECT: BUSINESS STUDIES
CLASS: XI

Prescribed Books:

1. Business Studies by NCERT
- 2.
- 3.

TERM I					
MONTH & NO.	NO. OF	CHAPTER NO. & NAME	TOPICS	MODULES/IT	ART INTEGRATED

OF DAYS	PERIODS			SUPPORT/ACTIVITY	LEARNING ACTIVITY (WITH S.NO.)
APRIL 16	12	Introduction to Business Studies	Introduction to Business Studies	Business	Sketching/Chart 4.1.1.3
MAY 22	22	Evolution and Fundamental of business	Nature and Significance of Business, Primary and Secondary Market, Business, Employment, Profession		Sketching/Chart 4.1.1.3
JUNE					
JULY 21	30	Forms of Business Organization,	Sole proprietorship, Partnership, HUF, Cooperative society, Company	Business Ownership	Sketching/Chart 4.1.1.3
AUGUST 21	28	Public and Private Organisation Business service	Public undertaking and its objectives, Role. Private, Departmental, Statutory and Govt Company Types of business services, Banking, Types of Banks, Advertising, Transportation, Insurance, Types of Insurance, Principles of Insurance, Ware housing, Types of Warehouse,	Public Enterprises Business Risks & Insurance	Media/PPT 4.1.1.8

			Benefits of warehouse		
SEPTEMBER 6	12	Emerging mode of business Social Responsibility of Business and Business ethics	Traditional Business, E-Commerce, Online banking, types of payment, CSR, Arguments for and against CSR, Business	Emerging modes of business - concept & e-business Social Responsibilities	

TERM II

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
OCTOBER 19	30	Small business Sources of business finance Internal Trade	Small, Tiny and Cottage industries, Role of small industries, Problems of small industries. Equity, Debt, Long term, Short term Internal trade, Retail trade, wholesale trade, Benefits of different trade to various stakeholders	Types of Business Business Finance Retail and Wholesale Trade	Sketching/Chart 4.1.1.3

NOVEMBER 17	30	International Trade	Comparative cost advantage, Importance and benefits of international trade, Methods of engaging in International trade. Licensing, Franchising, Contract manufacturing, Joint venture, Wholly owned subsidiary compnay	International Trade aspect	Sketching/Chart 4.1.1.3
DECEMBER 20	26	International Trade	Procedure of Import, Procedure of Export, WTO and its objectives	Procedure of International Trade	Figure 4.1.2.3
JANUARY 12	22	Project plus revision	Meaning of single entry system, Difference between single and double entry system, Statement of affairs, Conversion methods	Aspects of project, contents of project.	Document Writing 4.4.2.4
FEBRUARY 14	20	Revision			
MARCH					

SUBJECT: ACCOUNTNACY
CLASS: XI

Prescribed Books:

1. Double Entry Book Keeping by T.S.Grewal
- 2.
- 3.

TERM I					
MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL 16	14	Introduction to Accountancy	Introduction to Accountancy	Accountancy	Sketching/Chart 4.1.1.3
MAY 22	20	Introduction of accounting, accounting terms, Theory base of accounting	Meaning, Importance, limitation and functions of accounting, Accounting/Accountancy/Book keeping	Accounting Terms	Sketching/Chart 4.1.1.3
JUNE					
JULY 21	30	Basis of accounting, Accounting equation, rules of debit & credit	Terminologies used in accounting, Accounting standards, Convention and Principles of accounting. Cash and Accrual basis of accounting, Practical problems of accounting equation, Conventional and modern approach of debit and credit.	Basic accounting Concepts	Sketching/Chart 4.1.1.3
AUGUST 21	28	Accounting Equation, rules of debit & credit Vouchers, Journal & Ledger, Subsidiary books	Practical problems of accounting equation, Conventional and modern approach of debit and credit. Types of vouchers, Format of	Journal-Theory	Media/PPT 4.1.1.8

			Journal and Ledgers, Process of Journalizing ,Ledger posting, Format and process of preparing subsidiary books		
SEPTEMBER 06	12	Reconciliation Depreciation, provisions & reserves	Bank Reconciliation Importance, methods	From Cash book to pass book From Pass book to Cash book	Figure 4.1.2.3
TERM II					
MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
OCTOBER 19	30	Depreciation,Provision & Reserves Trial Balance	Importance, methods, Straight line, diminishing method, types of reserves Journal Entries in different books, Procedure of TB,	Depreciation	Sketching/Chart 4.1.1.3
NOVEMBER 17	30	Rectification of Errors,Final Accounts and adjustments	Rectification of errors,Trading and profit and loss, Balance sheet	Financial Statement(without adjustments)	Sketching/Chart 4.1.1.3
DECEMBER 20	26	Final Accounts and adjustments	Adjustment in preparing final accounts	Financial Statement(with adjustments-2)	Figure 4.1.2.3

JANUARY 12	28	Accounts adjustments Project	Adjustment in preparing final accounts	Financial Statement(with adjustments-2)	Document Writing 4.4.2.4
FEBRUARY 21	21	Revision			
MARCH					

SUBJECT: HISTORY
CLASS: XI

Prescribed Books:

1. NCERT
2. EXAM IDEA

Month & No. of days	No. of period s.	Chapter Number & name	Topic	Modules/IT support/Activity	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
June (01	10	Ch- Writing and	the system of writing,	What do you think	Study of folk art and its

days)		city life Ch- Writing and city life (Continued)	Literacy, the Uses of writing, Temples and kings, Life in the city development of writing, the system of writing, Literacy, the Uses of writing	Assurbanipal and Nabonidus cherished early Mesopotamian traditions	various forms , motifs, use of colours etc (4.1.1.13)
JULY(20 days)	20	An Empire Across three continents	The Early Empire, The Third Century Crisis, Gender , Literacy and Culture, Economic expansion, Controlling workers, Social Hierarchies, Late Antiquity.	How independent were women in the Roman World? Compare the situation of the Roman family with the family in India today. Debate Map work	Designing the school magazine , wall magazine and bulletin boards (4.1.4.4)



AUGUST(19 days)	18	Nomadic Empire	The Mongol, 13th to 14th century a) The nature of nomadism b) Formation of empires c) Conquests and relations with other states d) Historians' views on nomadic societies and state formation	Map work/Timeline chart Draw the life sketch of the Genghis khan <i>www.extramarks.com</i>	<i>Life sketch of Genghis khan (PPT/scrap book/Painting) (4.1.1.4)</i>
SEPTEMBER(21 days)		Revision	Half yearly exam Syllabus Revision		
OCTOBER(15 days)	15	The three orders	An Introduction of Feudalism, France and England, the three orders, The Manorial Estate, The knights, The church and society, the third order, factors affecting social and economic relations, Cathedral-towns, The crisis of the Fourteenth century, Political change.	Discuss social hierarchies based on different criteria: Language, wealth, education. Compare medieval France with Roman Empire	<i>Short notes on important aspects of Indian art and culture based on History (4.1.6.1)</i>
NOVEMBER(20 days)	15	Changing cultural traditions.	The revival of Italian cities, Universities and humanism, The Humanist view of history , Science	Describe the different scientific elements in the	Contribution made by any one contemporary artist



			and philosophy, Artists and realism, Architecture, the first printed books, the Aspirations of women, Debates within Christianity, The Copernican Revolution, Reading the universe, Renaissance in the Fourteenth Century.	work of sixteenth century Italian artists <i>www.extramarks.com</i>	(4.1.6.2)
December(17 days)	15	Displacing Indigenous peoples.	European Imperialism, North America, The native peoples, Encounters with Europeans, mutual perceptions, The native peoples lose their land, the gold Rush and the growth of industries, Constitutional Rights, The winds of change , Australia.	Discuss the different images that Europeans and native Americans had of each other, and the different ways in which they saw nature	<i>Planning and organizing of festivals including regional and folk (traditional art forms) (4.1.5.3)</i>
January (18 days)	12	Paths to Modernization.	Introduction, Japan, Te political system, Meiji Restoration, Modernizing the economy, Aggressive nationalism, Westernization and tradition, China,	Describe the impact of westernization on Japanese traditions/culture	Study of folk instruments of the region and of other regions of India (4.3.2.6)



February (14 days)		Revision	Establishing the Republic,		
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SUBJECT: POLITICAL SCIENCE
CLASS: XI

Prescribed Books:

1. INDIAN CONSTITUTION AT WORK
2. POLITICAL THEORY

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL (16 DAYS) 22 periods	4 periods	BRIDGE THE GAP	Constitution,Rights,Parliament, Judiciary,Elections	Quiz Mind Mapping	
	8 periods	Constitution (inclusive of lesson 1,2,9) (PART A)	Constitution: Why and How, The Making of the Constitution, Fundamental Rights and Duties, Directive Principles of State Policy, constitutional Amendments.	https://www.learninsta.com/class-11-political-science-important-questions-chapter-1-part-a/	<i>Make a collage of the different constitutions available around the world,listing their fundamentals.</i> Debate :- Need and functions of the Constitution,why do we need different types of majorities?
	6 periods	Election and Representation. (PART A)	Elections and Democracy, Election System in India, Electoral Reforms	https://infinitylearn.com/surge/study-materials/cbse/class-11-political-science-notes-chapter-3-election-and-representation/	Depiction:Think of a country along with the electoral constituencies and the type of elections that would be suitable with the same.
	4 periods	Activity-Depiction			

MAY(22 days) 28 periods	8 periods	The Legislature (PART A)	Why do we need a Parliament? Unicameral / Bicameral Legislature. Functions and Power of the Parliament, Parliamentary committees. Parliamentary Officials: Speaker, Deputy Speaker, Parliamentary Secretary.	https://www.learncbse.in/n-cert-solutions-for-class-11-political-science-chapter-5-part-a/	4.1.1.8. Prepare a Report on any two amendments made by parliament recently expressing your views.
	9 periods	The Executive (PART A)	What is an Executive? Different Types of Executive. Parliamentary Executive in India, Prime Minister and Council of Ministers. Permanent Executive: Bureaucracy.	https://www.learncbse.in/n-cert-solutions-for-class-11-political-science-chapter-4-part-a/	Compare the advantage and disadvantage of various types of executives around the world using images and flowcharts.(pastel sheets)
	4 periods	ACTIVITY-EXECUTIVE PROJECT WORK REVISION			

	7 periods				
JULY(21 days) 29 periods	7 periods	The Judiciary (PART A)	Why do we need an Independent Judiciary? Structure of the Judiciary, Judicial Review, Judicial Activism, Judicial Over-reach.	Prepare a presentation based on the following cases in groups: Keshavananda Bharti Minerva Mills Golaknath	
	7 periods	Federalism (PART A)	What is Federalism? Evolution & Growth of the Indian Federalism: Quasi Federalism, Cooperative Federalism & Competitive Federalism.	https://www.youtube.com/watch?v=EMXPZsb59hk	
		Local Government	Why do we need Local Governments? Growth of Local	https://www.learncbse.in/ncert-solutions-for-class	

	7 periods	(PART A)	Government in India, 73rd and 74th Amendments, Working and Challenges of Local Governments.	-11-political-science-chapter-8-part-a/	4.1.1.3. Group work-Prepare a model depicting an imaginary village with your preferred type of local govt.
	4 periods	PRESENTATIONS-Local govt			
	4 periods	Presentation-Judiciary			
AUGUST(21 days) 29 periods	5 periods	Political Theory:An Introduction (PART B)	What is Politics? Politics V/s Political Theory, Importance of Political Theory		Collect information about any political thinker along with picture and write up about him/her (4.2.3.1)

	4 periods	Liberty (PART B)	Liberty V.s Freedom, Negative and Positive Liberty.	https://www.learninsta.com/class-11-political-science-important-questions-chapter-2-part-b/	Group Discussion:How can we justify freedom?
	6 periods	Equality (PART B)	What is Equality? Significance of Equality. Various dimensions of Equality. How can we promote Equality?	https://devlibrary.in/class-11-political-science-chapter-13/	Class Discussion: Make a list of all social and economic inequalities that we notice among the students of your own school.
	6 periods	Justice (PART B)	What is Justice? Different dimensions of Justice, Distributive Justice		Various calculations of the minimum requirements of food, income, water, and such facilities have been made by government agencies and UN. Collect information from internet and write a note.
		ACTIVITIES-Equality			
	5	ACTIVITY-GROUP			

	periods 3 periods	DISCUSSION			
SEPTEMBER(6 days) (9 classes)		REVISION			
OCTOBER (19 days) 25 periods	5 periods	Rights (PART B)	What are Rights? Where do Rights come from? Legal Rights and the State. Kinds of Rights. Human Rights	Make a video/movie depicting the issues of Human rights and the aftermath-Group Discussion	
	6 periods	Citizenship (PART B)	What is citizenship? Citizen and Citizenship, Citizen and Nation, Global Citizenship		Write a report on the situation of refugees in any one country -recent issue.
	6 periods	Nationalism (PART B)	Nations and Nationalism, Variants of Nationalism, Nationalism, Pluralism and Multiculturalism.	https://www.learninsta.com/class-11-political-science-important-questions-chapter-7-part-b/	4.1.1.10. Recap-Formation of the nation states-group work.
		PRESENTATION-Rights			Group discussion-Mutual

	3 periods	Secularism (PART B)	What is Secularism? What is Secular State? The Western and the Indian perspectives to Secularism. Salient Features of Indian Secularism.		exclusion v/s principled distance
	5 periods				
NOVEMBER(17 days) 23 periods	4 periods	Secularism (PART B)	What is Secularism? What is Secular State? The Western and the Indian perspectives to Secularism. Salient Features of Indian Secularism.	https://www.youtube.com/watch?v=Udv-V0mTDE	
	4 periods	PRESENTATION-secularism REVISION			
DECEMBER(20 days)		REVISION PROJECT WORK AND VIVA			
JANUARY(12 days)		REVISION			

FEBRUARY(21 days)		REVISION			
MARCH		REVISION			

SUBJECT: BIOLOGY
CLASS: XI

Prescribed Books:

1. NCERT
2. NCERT EXEMPLAR

S.No	MONTH	NO. OF DAYS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY
	JULY 21	21	UNIT 1: DIVERSITY OF LIVING ORGANISMS CH 1- THE LIVING WORLD	CH 1- THE LIVING WORLD 1) DIVERSITY IN THE LIVING WORLD 2) TAXONOMIC	https://diksha.gov.in/play/content/do_31316929482982195211159 https://diksha.gov.in/play/content/do_313169300

			<p>CH 2- BIOLOGICAL CLASSIFICATION</p> <p>CH 3- PLANT KINGDOM ALGAE</p> <p>CH 4- ANIMAL KINGDOM</p>	<p>CATEGORIES</p> <p>3) TAXONOMICAL AIDS</p> <p>CH 2- BIOLOGICAL CLASSIFICATION</p> <p>1) KINGDOM MONERA 2) KINGDOM PROTISTA 3) KINGDOM FUNGI 4) KINGDOM PLANTAE 5) KINGDOM ANIMALIA 6) VIRUSES, VIROIDS and LICHENS</p> <p>CH 3- PLANT KINGDOM</p> <p>1) ALGAE 2) BRYOPHYTES 3) PTERIDOPHYTES 4) GYMNOSPERMS</p>	<p>78809292811398</p> <p>https://diksha.gov.in/play/content/do_31316929782301491211569</p> <p>https://diksha.gov.in/play/content/do_31308793823552307213150</p> <p>https://diksha.gov.in/pla</p>
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				<p>y/content/do_3130901481415557121195</p> <p>PRACTICAL</p> <p>Specimens/slides/models and identification with reasons - Bacteria, <i>Oscillatoria</i>, <i>Spirogyra</i>, <i>Rhizopus</i>, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen</p> <p>Virtual specimens/slides/models and identifying features of - <i>Amoeba</i>, <i>Hydra</i>, liver fluke, <i>Ascaris</i>, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit</p>
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	AUGUST 21	21	<p>UNIT 2- STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS</p> <p>CH 5- MORPHOLOGY OF FLOWERING PLANTS</p> <p>CH 6- ANATOMY OF FLOWERING PLANTS</p> <p>CH 7- STRUCTURAL ORGANISATION IN ANIMALS</p>	<p>CH 5- MORPHOLOGY OF DIFFERENT PARTS OF FLOWERING PLANTS</p> <p>1) STRUCTURE AND MODIFICATIONS OF ROOT, STEM, LEAF, INFLORESCENCE and SEED.</p> <p>2) DESCRIPTION of FAMILY SOLANACEAE</p> <p>CH 6- ANATOMY OF FLOWERING PLANTS</p> <p>1) ANATOMY AND FUNCTIONS OF TISSUE SYSTEMS IN DICOTS AND MONOCOTS</p> <p>CH 7- STRUCTURAL ORGANISATION IN ANIMALS</p> <p>1) MORPHOLOGY, ANATOMY and FUNCTIONS OF</p>	<p>https://diksha.gov.in/pla/y/content/do_313095143218331648131</p> <p>PRACTICAL</p> <p>Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of</p>



				<p>DIGESTIVE, CIRCULATORY, RESPIRATORY and REPRODUCTIVE SYSTEM OF FROG.</p>	<p>chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).</p> <p>Different types of inflorescences (cymose and racemose).</p> <p>PRACTICAL</p> <p>Preparation and study of T.S. of dicot and monocot roots and stems (primary).</p> <p>https://diksha.gov.in/play/content/do_3131006246042009601485</p>
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SEPTEMBER 06	06	UNIT 3: CELL: STRUCTURE AND FUNCTION OF LIFE CH 8- CELL- THE UNIT OF LIFE	CH 8- CELL- THE UNIT OF LIFE 1) CELL THEORY AND CELL AS THE BASIC UNIT OF LIFE 2) STRUCTURE OF PROKARYOTIC AND EUKARYOTIC CELL 3) PLANT CELL AND ANIMAL CELL 4) CELL ENVELOPE 5) CELL MEMBRANE 6) CELL WALL 7) STRUCTURE AND FUNCTION OF CELL ORGANELLES	https://diksha.gov.in/play/content/do_31310781105626316813631	4 S M S
OCTOBER	19	CH 9- BIOMOLECULES	CH 9- BIOMOLECULES 1) STRUCTURE AND FUNCTION OF	https://diksha.gov.in/play/content/do_3132095920895180801121	4

			<p>CH 10- CELL CYCLE AND CELL DIVISION</p>	<p>PROTEINS, CARBOHYDRATES, LIPIDS, NUCLEIC ACIDS</p> <p>2) ENZYMES- TYPES, PROPERTIES, ENZYME ACTION</p> <p>CH 10- CELL CYCLE AND CELL DIVISION</p> <p>1) CELL CYCLE 2) MITOSIS 3) MEIOSIS</p>	<p>https://diksha.gov.in/play/content/do_31338307893179187214898</p> <p>https://diksha.gov.in/play/content/do_31338307888460595216861</p> <p>PRACTICAL</p> <p>Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.</p> <p>PRACTICAL</p> <p>Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides.</p> <p>https://diksha.gov.in/play/content/do_31310781605030297613284</p>
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			<p>CH 15: PLANT GROWTH AND DEVELOPMENT</p>	<p>CYCLE, ELECTRO TRANSPORT SYSTEM and FERMENTATION</p> <p>3) ENERGY RELATIONS- NUMBER OF ATP MOLECULES GENERATED AMPHIBOLIC PATHWAY</p> <p>4) RESPIRATORY QUOTIENT</p> <p>CH 15: PLANT GROWTH AND DEVELOPMENT</p> <p>1) SEED GERMINATION</p> <p>2) PHASES OF PLANT GROWTH AND GROWTH RATE</p> <p>3) CONDITIONS OF GROWTH DIFFERENTIATION, DEDIFFERENTIATION AND REDIFFERENTIATION</p> <p>4) SEQUENCE OF DEVELOPMENTAL PROCESSES IN PLANT CELL</p> <p>5) GROWTH</p>	<p>https://diksha.gov.in/pla y/content/do_31310788 681581363214466</p> <p>PRACTICAL</p> <p>Study of the rate of respiration in flower buds/leaf tissue and germinating seeds</p> <p>https://diksha.gov.in/pla y/content/do_31310838 591692800014071</p>
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			<p>CH19- EXCRETORY PRODUCTS AND THEIR ELIMINATION</p>	<p>BLOOD</p> <ol style="list-style-type: none"> 2) BLOOD GROUPS 3) COAGULATION OF BLOOD 4) COMPOSITION OF LYMPH AND ITS FUNCTION 5) HUMAN CIRCULATORY SYSTEM- STRUCTURE OF HUMAN HEART AND BLOOD VESSELS, CARDIAC CYCLE, CARDIAC OUTPUT, ECG 6) DOUBLE CIRCULATION 7) REGULATION OF CARDIAC ACTIVITY 8) DISORDERS OF CIRCULATORY SYSTEM - HYPERTENSION, CORONARY ARTERY DISEASE, ANGINA PECTORIS AND HEART FAILURE <p>CH19- EXCRETORY PRODUCTS AND THEIR ELIMINATION</p> <ol style="list-style-type: none"> 1) MODES OF EXCRETION- AMMONOTELISM, 	<p>https://diksha.gov.in/playlist/content/do_3132095939508551681274</p> <p>https://diksha.gov.in/playlist/content/do_31310851509528985613148</p>
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			<p>CH 20- LOCOMOTION AND MOVEMENT</p>	<p>UREOTELISM, URICOTELISM</p> <p>2) HUMAN EXCRETORY SYSTEM- STRUCTURE AND FUNCTION</p> <p>3) URINE FORMATION AND OSMOREGULATION</p> <p>4) REGULATION OF KIDNEY FUNCTION- RENIN ANGIOTENSIN, ATRIAL NATRIURETIC FACTOR</p> <p>5) ADH AND DIABETES INSIPIDUS</p> <p>6) ROLE OF OTHER ORGANS IN RESPIRATION</p> <p>7) DISORDERS- UREMIA, RENAL FAILURE, RENAL CALICULI, NEPHRITIS, DIALYSIS AND ARTIFICIAL KIDNEY, KIDNEY TRANSPLANT</p> <p>CH 20- LOCOMOTION AND MOVEMENT</p> <p>1) TYPES OF MOVEMENT- CILIARY, FLAGELLAR,</p>	<p>https://diksha.gov.in/play/content/do_31310851517785702413149</p> <p>https://diksha.gov.in/play/content/do_3131085277287464961143</p> <p>https://diksha.gov.in/play/content/do_31310851434478796814193</p> <p>PRACTICAL</p> <p>Test for presence of urea in urine.</p> <p>Test for presence of sugar in urine.</p> <p>Test for presence of albumin in urine.</p> <p>Test for presence of bile salts in urine.</p>
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				<p>MUSCULAR</p> <p>2) SKELETAL MUSCLES, CONTRACTILE PROTEINS AND MUSCLE CONTRACTION</p> <p>3) SKELETAL SYSTEM AND ITS FUNCTION</p> <p>4) JOINTS</p> <p>5) DISORDERS OF SKELETAL AND MUSCULAR SYSTEMS- MYASTHENIA GRAVIS, TETANY, MUSCULAR DYSTROPHY, ARTHRITIS, OSTEOPOROSIS, GOUT.</p>	<p>https://diksha.gov.in/playlist/content/do_31310771598614528012917</p> <p>https://diksha.gov.in/playlist/content/do_31310771586865561612553</p> <p>Skeletal system https://diksha.gov.in/playlist/content/do_31310771630958182413542</p> <p>https://diksha.gov.in/playlist/content/do_31310771</p>
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					649532723212994 PRACTICAL Study of Human skeleton and different types of joints with the help of virtual images/models only
JANUARY	12	CH 21- NEURAL CONTROL AND COORDINATION CH 22- CHEMICAL COORDINATION AND INTEGRATION	CH 21- NEURAL CONTROL AND COORDINATION 1) NEURONS AND NERVES 2) NERVOUS SYSTEM IN HUMANS- CENTRAL NERVOUS SYSTEM, PERIPHERAL NERVOUS SYSTEM AND VISCERAL NERVOUS SYSTEM 3) GENERATION AND CONDUCTION OF NERVE IMPULSE CH 22- CHEMICAL COORDINATION AND INTEGRATION 1) ENDOCRINE GLANDS	https://diksha.gov.in/pla...y/content/do_31310771660778700813543	4 S I 4 S r f v c i c c g s

				<p>AND HORMONES</p> <p>2) HUMAN ENDOCRINE SYSTEM- HYPOTHALAMUS, PITUITARY, THYROID, PARATHYROID, ADRENAL, PANCREAS, GONADS</p> <p>3) MECHANISM OIF HORMONE ACTION</p> <p>4) ROLE OF HORMONE AS MESSENGER AND REGULATOR</p> <p>5) HYPO AND HYPER ACTIVITY RELATED DISORDERS</p>	<p>https://diksha.gov.in/pla/y/content/do_31310771870628249613535</p> <p>https://diksha.gov.in/pla/y/content/do_31310774410708582413890</p>
	FEBRUARY	21	REVISION		

	MARCH	ANNUAL EXAM			
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SUBJECT: ECONOMICS
CLASS: XI

Prescribed Books:

1. Micro Economics: Sandeep Garg
2. Statistics: T. R. Jain

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL - 16		<ul style="list-style-type: none"> • Introduction (Statistics) • Measures of Central tendency (Statistics) 	<ul style="list-style-type: none"> • About statistics, its importance & Scope • Mean 	Extra marks modules SLM/Mind map/MCQs/sums/tables	4.1.1.9. Mind map with the use of various pattern and colours
MAY - 22		<ul style="list-style-type: none"> • Measures of Central tendency (Statistics) 	<ul style="list-style-type: none"> • Median • Mode 	Extra marks modules SLM/Mind map/MCQs/sums/tables	<i>4.1.1.10. Collage and mosaic work with a variety of coloured papers and coloured printed pictures/photographs from magazines and newspapers.</i>

		<ul style="list-style-type: none"> • Collection of data 	<ul style="list-style-type: none"> • Sources of collecting data • Census and Sample methods of collecting data. 		
JULY -21		<ul style="list-style-type: none"> • Micro Economics • Economics and Economy • Consumer's Equilibrium 	<ul style="list-style-type: none"> • Introduction • Economics and Economy Consumer's equilibrium – Utility Analysis • Consumer's equilibrium - Indifference curve approach 	Extra marks modules SLM/Mind map/MCQs/sums/tables	4.1.1.8. Study and use of various media and techniques to the extent of their availability.
AUGUST - 21		<ul style="list-style-type: none"> • Demand • Organisation of Data 	<ul style="list-style-type: none"> • Theory of demand • Price elasticity of demand • Meaning and types of variables; Frequency Distribution. 	Extra marks modules SLM/Mind map/MCQs/sums/tables	Cross word puzzles or any other type of puzzles
SEPTEMBER - 6		REVISION cum MID TERM EXAM		Extra marks modules SLM/Mind map/MCQs/sums/tables	

OCTOBER - 19		<ul style="list-style-type: none"> • Presentation of Data • Producer Behaviour and Supply • Cost 	<ul style="list-style-type: none"> • Tabular, Diagrammatic, Frequency diagrams and Arithmetic line graphs • Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor • Meaning, Types of costs. 	Extra marks modules SLM/Mind map/MCQs/sums/tables	<p>4.1.1.9. Pencil, charcoal, water colour, crayon, oil colours, poster colour and gouache, acrylic colour and other unconventional sources of colours</p> <p>4.1.1.12. Basic knowledge of computer graphics.</p>
NOVEMBER - 17		<ul style="list-style-type: none"> • Revenue • Forms of Market and Price Determination under Perfect Competition with simple applications. 	<ul style="list-style-type: none"> • Revenue - total, average and marginal revenue - meaning and their relationship. • Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. Simple Applications of Demand and Supply: Price ceiling, price floor. 	Extra marks modules SLM/Mind map/MCQs/sums/tables	4.4.2.4. Exercises in creation of plot and conflict based on: (i) episodes and happenings in day-to-day life situations:



DECEMBER - 20		<ul style="list-style-type: none"> Correlation 	<ul style="list-style-type: none"> meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) 	Extra marks modules SLM/Mind map/MCQs/sums/tables	
JANUARY - 12		<ul style="list-style-type: none"> Index number 	<ul style="list-style-type: none"> Meaning, types - wholesale price index, consumer price index, uses of index numbers; Inflation and index numbers. 	Extra marks modules SLM/Mind map/MCQs/sums/tables	
FEBRUARY - 21		REVISION			
MARCH		ANNUAL EXAMS			

SUBJECT: PSYCHOLOGY
CLASS: XI

Prescribed Books:

1. NCERT XI CLASS

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL (16)	22	1. What is Psychology?	<ul style="list-style-type: none"> • Introduction • What is Psychology? • Psychology as a Discipline • Psychology as a Natural Science • Psychology as a Social Science • Understanding Mind and Behaviour • Popular Notions about the Discipline of Psychology • Evolution of Psychology • Development of Psychology in India 	<p>Activity 1.3 NCERT</p> <p>Think about the areas of psychology that you have read in the text. Go through the list given below and rank them from 1 to 11.</p> <p>2. Interviews of psychologist to understand their experiences and challenges.</p>	4.1.1.1. Study of visual resources as means of creative expression

MAY (22)	30	2. Methods of Enquiry in Psychology	<ul style="list-style-type: none"> • Branches of Psychology • Psychology and Other Disciplines <li style="padding-left: 20px;">Psychology in Everyday Life • Introduction • Goals of Psychological Enquiry • Steps in Conducting Scientific Research • Alternative Paradigms of Research • Nature of Psychological Data • Some Important Methods in Psychology • Observational Method • Experimental Method 	<p>Activity 2.3 NCERT An investigator wants to study people's attitude towards welfare programmes by circulating a questionnaire via the internet. Is this study likely to reflect the views of the general population accurately? Why or why not?</p>	4.1.1.4. Creative use of colours to show space, atmosphere, subjective moods
JULY (21)	28	4. Human	<ul style="list-style-type: none"> • Correlation Research • Survey Research • Psychological Testing • Case Study • Analysis of Data • Quantitative Method • Qualitative Method • Limitations of Psychological Enquiry • Ethical Issues • Introduction 	<p>Activity 4.1 NCERT</p>	4.1.1.8. Study and use of various media and techniques to the extent of their availability.

		Development	<ul style="list-style-type: none"> • Meaning of Development Life-Span Perspective on Development • Factors Influencing Development 	What would you life be in you lived in a rural area or a small town, devoid of all amenities, which you are used to in a city (vice versa)? Discuss in small groups keeping in mind factors like poverty, illiteracy, pollution, population, etc.	
AUGUST (21)	28	5. Sensory, Attentional and Perceptual Processes	<ul style="list-style-type: none"> • Context of Development • Overview of Developmental Stages Prenatal Stage • Infancy • Childhood • Challenges of Adolescence • Adulthood and Old Age • Introduction • Knowing the world • Nature and varieties of Stimulus • Sense Modalities Functional limitation of sense organs • Attention Processes • Selective Attention • Sustained Attention • Perceptual Processes Processing Approaches in Perception 	<p>Activity 5.4 NCERT Hold a pencil in front of you. Close your right eye and focus on the pencil. Now open the right eye and lose the left eye. Keep doing it simultaneously with both the eyes. The pencil will appear to move from side to side in front of your face.</p>	4.1.2.3. Study of natural and man-made forms, human figures, birds, animals, vegetation and other objects like household items, buildings or as desired by the students. Objects of day-to-day use in groups and in different settings and arrangements.

			<ul style="list-style-type: none"> • The Perceiver 		
SEPTEMBER (6)	8		<ul style="list-style-type: none"> • Principles of Perceptual Organisation • Perception of Space, Depth and Distance Monocular Cues and Binocular Cues • Perceptual Constancies • Illusions • Socio-Cultural Influences on Perception 	Activity 5.3 NCERT To demonstrate expectancy tells your friend to close her eyes. Write 12, 13, 14, 15 on the board. Ask her to open her eyes for 5 seconds, look at the board, and note down what she saw. Repeat replacing only the 12, 14, 15 with A, C, D viz. 'A 13 C D'. Ask her again to note down what she saw. Most people write down B in place of 13.	4.1.4.1. Construction of puppets and their costumes and improvised puppet stage or theatre, correlation with Home Science and Arts (Drama) subjects.
OCTOBER (19)	26	6. Learning	<ul style="list-style-type: none"> • Introduction • Nature of Learning • Paradigms of Learning • Classical Conditioning Determinants of Classical Conditioning • Operant/Instrumental Conditioning Determinants of Operant Conditioning • Key Learning Processes 	Activity 6.1 NCERT In order to understand and explain conditioning, you may carry out the following exercise. Take a few pieces of mango pickle on a plate and show it to the students in the classroom. Ask them what they experienced in	4.1.4.3. Constructing stage setting props such as curtain, backdrops, stage lighting, improvised furniture sets, etc., designing utility (crafts) items; correlating with Work Education activities.

		7. Human Memory	<ul style="list-style-type: none"> • Observational Learning • Cognitive Learning • Verbal Learning • Skill Learning • Factors Facilitating Learning • Learning Disabilities <ul style="list-style-type: none"> • Introduction • Nature of memory • Information Processing Approach : The Stage Model 	their mouth? Most of your classmates are likely to report some salivation in their mouth.	
NOVEMBER (17)	20		<ul style="list-style-type: none"> • Memory Systems : Sensory, Short-term and Longterm Memories • Levels of Processing • Types of Long-term Memory Declarative and Procedural; Episodic and • Semantic • Nature and Causes of Forgetting • Forgetting due to Trace Decay, Interference and • Retrieval Failure • Enhancing Memory Mnemonics using Images and Organisation 	Activity 7.2 NCERT 1. Think about your early school days. Write down two separate events that occurred during those days, and which you remember vividly. Use separate sheets for writing about each event.	4.1.5.4. Participating in study visits to museums, botanical gardens, zoological garden, art galleries and art institutions, etc., for greater awareness of the environment and cultural variations.
DECEMBER (20)	26	8. Thinking	<ul style="list-style-type: none"> • Introduction • Nature of Thinking Building Blocks of Thought 	Activity 8.2 NCERT Take a piece of cardboard and cut	4.2.1.1. Knowledge of the terms: Sangeet, Nad, Swar, Shudh, Komal, Teevra, Saptak, Mandra, Madhya Tar, Aroha

			<ul style="list-style-type: none"> • The Processes of Thinking • Problem Solving • Reasoning • Decision-making • Nature and Process of Creative Thinking Nature of Creative Thinking • Process of Creative Thinking • Thought and Language • Development of Language and Language Use 	<p>triangles, circles, and squares of three different sizes each, small, medium and large. Then colour them yellow. Similarly prepare a second set and colour them green and a third set and colour them red. Now you have a set of 27 cards varying in shape, size, and colour. Ask a child of five to six years of age to group the similar cards together.</p>	<p>Avaroha, Raga, Laya, Matra, Tal, Avartan, Sam Tal.</p>
JANUARY (12)	16	9. Motivation and Emotion	<ul style="list-style-type: none"> • Introduction • Nature of Motivation • Types of Motives Biological Motives • Psychosocial Motives • Maslow's Hierarchy of Needs • Nature of Emotions • Expression of Emotions Culture and Emotional Expression • Culture and Emotional Labelling • Managing Negative Emotions • Enhancing Positive Emotions 	<p>Activity 9.1 NCERT Actual actions sometimes contradict the hierarchy of needs. Soldiers, police officers, and fire personnel have been known to protect others by facing very endangering situations, seemingly in direct contradiction to the prominence of safety needs. Why does it happen? Discuss it in your group</p>	<p>4.2.2.1. Patriotic Songs</p>

				and then with your class teacher.	
FEBRUARY (21)	28	Revision			
MARCH		Annual exams			

**SUBJECT: PAINTING
CLASS: XI**

Prescribed Books:

1. History of Indian art
2. Aesthetic of Indian art

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL		Theory- <ul style="list-style-type: none"> ● Introduction of art ● Pre historic rock painting Practical – <ul style="list-style-type: none"> ● Still life (pencil shading) 	Meaning, Fundamental of art i.e. Element of art, principal of art, limbs of art . History of prehistoric art .	Draw Still object with pencil shading.	Block printing on cloth shading

MAY		Theory- <ul style="list-style-type: none"> • Indus valley civilization Practical- Colour wheel	Introduction , paintings, different types of artifacts of Indus valley civilization	Learn how to prepare a colour wheel.	Bookmark
JULY		<ul style="list-style-type: none"> • Theory- Mauryan Kushan , Gupta school of art Practical – Nature study	Art during mauryan , kushan and gupta period & Revision of PT 3	Make a nature element painting using water based colour. eg- tree, leaves, flower	
AUGUST		Theory- <ul style="list-style-type: none"> • Ajanta Paintings Practical- <ul style="list-style-type: none"> • Composition (landscape) 	Origin , types , technique they used , characteristics .	Make any one composition of landscape	Folder making
SEPTEMBER		Theory- Revision Practical- Creative drawing	Revision of PT1 exam	Use your imagination to make a creative drawing	

OCTOBER		Theory- <ul style="list-style-type: none"> • Indian temple architecture. • Bronze sculpture Practical – Composition(festival)	Introduction of temple, types of sculpture, different types of sculpture.	Draw a composition painting related to festival- diwali, dussera etc.	Bottle painting
NOVEMBER		Theory- <ul style="list-style-type: none"> • Indo Islamic architecture Practical – Folk art	Introduction, types of architecture	Make a beautiful madhubani painting on a sheet.	Folk painting
DECEMBER		Theory- <ul style="list-style-type: none"> • Revision Practical – sketching	Revision	Sketching on a daily basis .	
JANUARY		Revision	Revision		

FEBRUARY		Revision	Revision		
MARCH					

SUBJECT: IP
CLASS: XI

Prescribed Books:

1. SUMITA ARORA
- 2.
- 3.

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL	16	Introduction with Subject Computer System	Python, Mysql Basics of computer and devices used to perform the operations.		

MAY	22	Getting Started with python Python fundamentals	Installation of python, Features of Python	Using Python IDLE " - www.python.org https://docs.python.org/3/tutorial/ NCERT ACTIVITIES	Create an expressive and informative presentation on Google Slide and share the link with us.(4.1.1.12.)
JULY	21	Data Handling	Different Data types, various statements.	Using Python IDLE " - www.python.org https://docs.python.org/3/tutorial/ NCERT ACTIVITIES	Small programs based on data type
AUGUST	21	Flow of control	If-else Where loop For loop Practice questions Revision	Using Python IDLE " - www.python.org https://docs.python.org/3/tutorial/	Logic building example with help of flow charts. LCM & HCF based application

				https://www.youtube.com/watch?v=1oHvY5bOvIY&t=252s NCERT ACTIVITIES	
SEPTEMBER	21	Flow of control	If-else Where loop For loop Practice questions Revision	Using Python IDLE " - www.python.org https://docs.python.org/3/tutorial/ https://www.youtube.com/watch?v=1oHvY5bOvIY&t=252s NCERT ACTIVITIES	Logic building example with help of flow charts. LCM & HCF based application
OCTOBER	15	List Manipulation	Basics of List, List implementations, and various operations on list. Practice questions	Using Python IDLE " - www.python.org https://docs.python.org/3/tutorial/ https://www.youtube.com/watch?v=1oHvY5bOvIY NCERT ACTIVITIES	the letters 'Abcd' as a word Given 'Abcd' each letter of the word is assigned a value to where it sits in the alphabet like this: # position 0 1 2 3 4 5 ... alphabet = ["a","b","c","d","e","f",...] As RGB values only need 3 numbers, we use the remaining

		Dictionaries	<p>Basics of Dictionaries, Dictionaries implementations, and various operations on Dictionaries. Practice questions</p> <p>Difference between list and dictionaries.</p> <p>Practice Questions</p>	<p>letters to increase the values of the numbers representing the first three letters. So...</p> <ul style="list-style-type: none"> Word is 'Abcd' Values are [0,1,2] <p>Remaining values are [3]</p> <p>Add [3] to the first value (0).</p> <p>Take any dictionary and try to identify what all operation can perform as per python dictionary.</p>
ART INTEGRATED PROJECT (X)				

NOVEMBER	20	Database concepts SQL	Database Concepts, Various commands to operate, create and maintain data in database.	MySql Database www.mysql.com NCERT ACTIVITIES	"Data is all around us" Identify the art of managing data and also identify the art to handle unmanaged data into useful data.
DECEMBER	17	SQL	Structured Query Language: Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL: Creating a database, using database, showing tables using MySQL,	MySql Database www.mysql.com NCERT ACTIVITIES	"Data is all around us" Identify the art of managing data and also identify the art to handle unmanaged data into useful data.
ART INTEGRATED PROJECT (I to IX)					
JANUARY	18	Emerging Trends	Artificial Intelligence, Machine Learning, Natural Language Processing, <ul style="list-style-type: none"> ● Immersive experience (AR, VR), Robotics ● Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, ● Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); ● Grid Computing, Block chain technology. 		Make a presentation in sway on Emerging Trends
FEBRUARY	14	Database concepts SQL+ Revision	Data Definition Commands: CREATE, DROP, ALTER (Add and Remove primary key, attribute). Data Query Commands: SELECT-FROM- WHERE, LIKE, BETWEEN,		



			IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause Data Manipulation Commands: INSERT, UPDATE, DELETE.		

SUBJECT: PHYSICAL EDUCATION
CLASS: XI

Prescribed Books:

1. Health and Physical Education(New Saraswati House)

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS	MODULES/IT SUPPORT/ACTIVITY	ART INTEGRATED LEARNING ACTIVITY (WITH S.NO.)
APRIL (No. of days-16)	22	CHAPTER 1 Changing trends and careers in physical education	<ul style="list-style-type: none"> • Concept,Aims & Objectives of Physical Education • Development of Physical education in India- Post Independence. • Career Options in 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	

			<p>Physical Education</p> <ul style="list-style-type: none"> • Khelo-India Program and Fit India Program • Changing trends in sports-playing surface, wearable gears and sports equipment, technological advancements 		
<p>MAY (No. of days-16)</p>	<p>22</p>	<p>CHAPTER 2 Olympic Value Education</p>	<ul style="list-style-type: none"> • Olympism- Concept and Olympics values(Excellence ,friendship & respect) • Olympic Value education -Joy of effort, fair play, Respect for others, Pursuit of excellence, Balance among body, will and mind • Ancient and Modern Olympics 	<p>Extra marks modules SLM/Mind Map/MCQ,s/sums/tables</p>	<p>PRACTICAL-SAI KHELO INDIA FITNESS TESTS (600 Mts, push-ups)</p>

		<p style="text-align: center;">CHAPTER 4</p> <p style="text-align: center;">Physical education and sports for CWSN</p>	<ul style="list-style-type: none"> • Olympics—Symbols,Motto,Flag,Oath and Anthem • Olympics Movement Structure –IOC,NOC,IFS,Other member • Concept of disability and disorder • Types of disability , its causes and nature (intellectual disability, physical disability) • Disability etiquette • Aim and objective of adaptive Physical Education. • Role of various professionals for children with special needs. • Counsellor ,Occupational Therapist,Physiotherapist, Physical 	<p>Extra marks modules</p> <p>SLM/Mind</p> <p>Map/MCQ,s/sums/tables</p>	
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			Education Teacher, Speech Therapist & Special Educator		
JULY (No. of days-21)	29	CHAPTER 3 Yoga	<ul style="list-style-type: none"> • Meaning and Importance of Yoga. • Introduction to Ashtanga Yoga • Introduction to Yogic Kriyas (Shat karma) • Pranayama and its types • Active lifestyle and stress management through yoga 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	PRACTICAL-SAI KHELO INDIA FITNESS TESTS (600 Mts, push-ups, partial curl ups)
		CHAPTER 5			

		Physical fitness , wellness and lifestyle	<ul style="list-style-type: none"> • Meaning & Importance of wellness, Health and Physical Fitness • Components /dimensions of wellness, Health and Physical Fitness • Traditional Sports and Regional Games for promoting wellness • Leadership through physical activity and sports • Introduction to first aid-PRICE 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	
AUGUST (No. of days-21)	29	CHAPTER 6 Test, measurements and evaluation	<ul style="list-style-type: none"> • Define Test ,Measurement& Evaluation in physical education and sports 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	PRACTICAL-SAI KHELO INDIA FITNESS TESTS (600 Mts, push-ups, partial curl)

			<ul style="list-style-type: none"> • Importance of Test ,Measurement& Evaluation in physical education and sports • Calculation of BMI, Waist- Hip ratio, Skin fold measurement (3 site) • Somato types (Ectomorphy, mesomorphy and endomorphy). • Measurement of Health related fitness 		ups, sit and reach test)
SEPTEMBER (No. of days-6)	8	REVISION			

OCTOBER (No. of days-19)	25	CHAPTER 7 Fundamentals of anatomy, physiology in sports	<ul style="list-style-type: none"> • Definition and importance of Anatomy and Physiology in exercise and sports • Functions of skeletal system, classification of bone and types of joints. • Properties and functions of muscles • Function and Structure of Circulatory System and heart • Function & Structure of Respiratory System 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	PRACTICAL-SAI KHELO INDIA FITNESS TESTS (600 Mts, push-ups, partial curl ups, 50 mts dash, sit and reach test)
NOVEMBER (No. of days-17)	23	CHAPTER 8 Fundamentals of kinesiology and biomechanics in sports	<ul style="list-style-type: none"> • Definition and importance of Kinesiology and biomechanics in sports • Principals of Biomechanics • Kinetics and kinematics 	Extra marks modules SLM/Mind Map/MCQ,s/sums/tables	

			<p>in sports</p> <ul style="list-style-type: none"> • Types of body movements- flexion, extension, abduction, adduction, rotation. circumduction, supination and pronation. • Axis and planes –concept and its application in body movement 		
DECEMBER (No. of days-20)	28	CHAPTER 9 Psychology and sports	<ul style="list-style-type: none"> • Definition & Importance of Psychology in Phy. Edu. &Sports • Developmental characteristics at different stages of development • Adolescent Problems & Their Management • Team cohesion and 	<p>Extra marks modules</p> <p>SLM/Mind</p> <p>Map/MCQ,s/sums/tables</p>	

			<p>sports</p> <ul style="list-style-type: none"> • Introduction to psychological attributes; attention, resilience, mental toughness 		
<p>JANUARY (No. of days-12)</p>	<p>16</p>	<p>CHAPTER 10 Training and doping in sports</p>	<ul style="list-style-type: none"> • Concept and principles of Sports Training • Training Load: over load ,adaptation and recovery • Warming up and limbering down- types, method and importance • Concept of skill, technique, tactics and strategies • Concept of doping and its disadvantages. 	<p>Extra marks modules SLM/Mind Map/MCQ,s/sums/tables</p>	
<p>FEBRUARY (No. of days-21)</p>	<p>29</p>	<p>REVISION</p>	<p>REVISION</p>		

MARCH		ANNUAL EXAMS	ANNUAL EXAMS		
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