

CLASS - XI (SCIENCE)

SUBJECT - ENGLISH

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/Internal Assessment Activities
APRIL	19	Hornbill book Ch.1 The Portrait of a lady Poem.1 A Photograph Ch.2 We're not afraid to. Poem2 The Laburnum Top Writing Skills: Poster And ALS	Ch.1.- Diary entry on your relationship with your grandmother. Ch.2- #Search the internet to find out how life-raft drills are conducted. # Collect information about the seas you would like to navigate. Study their specific features and write about the kind of practice and preparation required	Ch.1- Make a collage of your pics with grandmother. Poem 2-Recite the poem with proper rhythm, expression and actions. #Imagine and paint a picture based on the central theme of the poem. Ch.2-Make a glossary of the nautical terms used in the lesson.
MAY	24	Book-Snapshots Ch.1 The Summer Of Beautiful... Ch.2 The Address Writing Skills: Advertisements & ALS Grammar-Tenses, Sentence Reordering	Ch.1-Collect information about a tribal group residing in the region and write about their food habits, which religion they belong to and which God do they worship. *. Try to collect information about the language that they speak and the script that they write. *. Write a paragraph about different tribes that live in North India. Example: Bhils, Gonds, Santhal, Andamanese and Mundas etc. Mention their location. (Any three) Ch.3-1. Note making activity Students can prepare notes on the lesson using appropriate format and abbreviations. 2. Summarisation - They can prepare a summary linking the thread of events.	Ch.2-1:- Collect pictures of War time, Watch the video on War time and write down the difficulties and hardship of the people. 2:- Understand the human qualities of love, concern, care, empathy for the other, and collect articles on refugee rehabilitations. Collect pictures and videos that exhibit their dance and traditions, culture and costumes. Try to learn their dance steps. Folk dances are meant for people to do together and have simple steps
PERIODIC TEST 1	Mention Chapters. Poem 1 (Hornbill), Ch. 1&2 (Hornbill) and W.S- Poster			
JULY	23	Book Hornbill Ch.3. Discovering Tut Poem 3 The Voice Of The Rain Book- Snapshots Ch.5 Mother's Day Unseen passages- Case based. Grammar- Editing, Determiners	1. Write an article on the ideas and opinions of Einstein about education in 125-150 words. How is it different from the common idea 2. Albert Einstein is a pacifist. Explain this statement with the support of the lesson and other sources.	Paste the famous picture of Albert Einstein and his quotes Make a mind map or collage on Mummies.

AUGUST	24	Revision of Term I Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM	Mention Terminal Exam Syllabus for Examination and Chapters for Internal Assessment Complete the Syllabus by August	Mention Activities for Internal Assessment Chapters- Public Speaking/ debate/ speech, role play, and listening skills test.	Mention Activities for Internal Assessment Chapters	
SEPTEMBER	21	Book Hornbill Poem 4: Childhood Reading skills- Unseen passagesfactual Note Making and Summarization Writing skill- Speech	Ch.5-ROLE PLAY Imagine yourself as a reporter from a leading newspaper and a friend of yours as the earth. Imagine an interview with the earth wherein the earth shares its ailing condition and destruction caused by human beings. Prepare relevant questions and answers.	Group Discussion or mimicry 1. Talking about teachers among friends. a) What is your tone? Respectful? Complaining? Critical? Mocking? b) What do you speakabout? c) How often do you speakabout teachers? d) Do you talk about allteachers or a selected few? e) Do you talk about their personalities?
OCTOBER	21	Book Hornbill Chapter 7: The Adventure Chapter 8: Silk Road Poem 5: Father to Son Book-Snapshots Chapter 5: Mother's Day Writing skill- Debate	Ch.5- #To conduct a debate on #“Constraints of a mother”. Explain different genres of play and find examples of each genre. # Discuss in groups the plays or films with a strong message in social reform that you have watched. Ch.7-Reflect on how history may have changed if the figures made different choices or events were altered (what if 9/11 never happened; What if Napoleon did not lose at Waterloo)	Ch.8- Make a travel brochure for a particular region or any imaginary place or your dream place. Ch.5- Beautiful display of your bonding with your mother- college/ e-college/ short video/ Vlog/ Diary entry.
NOVEMBER	19	Book-Snapshots Chapter 7: Birth Project	FIND OUT ABOUT THE LATEST MEDICAL ADVANCEMENTS – A. CRISPR B. Robotic surgery C. Wireless brain sensors D. Organ Transplantation E. 3D Printing F. Virtual reality	Find unique/out of the box experiences of people working in different fields – teachers, lawyers, police personnel, cab drivers, auto drivers, public transport operators (bus drivers and conductors) etc
PERIODIC TEST II	Mention Chapters.			
DECEMBER	24	Chapter 8: The Tale of Melon City Grammar- Clauses Case-based passages Project & Revision	1. Comparison and contrast of rulers termed good as well as bad 2. Cross-culture references of welfare and disadvantage of people under efficient and inefficient rulers 3. Exposure to the writings of Idris Shah and Sufi Literature in general 5. Familiarisation of literary techniques like humour, irony, satire, dramatic irony etc.	. Vocabulary pertaining to anarchy and bad governance like banana republic, capitalism, Tuglaquian reforms etc. # Mind map- blame game
JANUARY, FEBRUARY, and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM	Mention the Annual Exam Syllabus including Chapters from Term I for Examination /Chapters for Internal Assessment. Full Syllabus	Mention Activities /Projects for Internal Assessment Chapters Research based Project Research based Project	Mention Activities/Projects for Internal Assessment Chapters	

SUBJECT - PHYSICS

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/Internal Assessment Activities
APRIL	19	Unit 1 - Physical world and Measurement	Distance measurement through direct and indirect method	Flow Charts
MAY	24	Unit 2 - Kinematics	Graphical representation	Key points
PERIODIC TEST I	Unit-1 and Unit-2			
JULY	23	Unit 3 - Laws of motion Unit 4 - Work, Power and Energy	Demonstration of inertia and laws of motion, collision	Friction related diagrams
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM	Unit-1, 2,3		Practical demonstration	Lab activities
SEPTEMBER	21	Unit 5 - Rotational motion Unit 6 - Gravitation	To determine centre of mass and centre of gravity of different bodies	Flow chart
OCTOBER	21	Unit 7 - States of Matter	Modes of transfer of heat, Capillary action	Stress Strain curve
NOVEMBER	19	Unit 8 - Thermodynamics Unit 9 - Kinetic theory of gases	To demonstrate Heat engine	Graphical representation
PERIODIC TEST II	Unit-7,8			
DECEMBER	24	Unit 10 - Oscillations and waves + REVISION	Damped and undamped oscillations, forced and	Practical demonstration of simple pendulum
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM	All syllabus		Practical demonstration	Lab activities

SUBJECT - CHEMISTRY

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/Internal Assessment Activities
APRIL	19	Basic Principles of Chemistry Structure Of Atom	Block Activity of Elements Practice sheet	Chart Infographic
MAY	24	Classification of Elements & Periodicity Chemical Bonding & Molecular structure- 1	Fish Bowl activity Practice sheet	Infographic Sketching
PERIODIC TEST I	Structure of atom & Classification of Elements & Periodicity			
JULY	23	Chemical Bonding & Molecular structure-2 Thermodynamics	Fish Bowl activity Matchup Activity	Sketching 3-D models of different shapes of atoms
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM	Basic Principles of Chemistry Structure Of Atom Classification of Elements & Periodicity Chemical Bonding & Molecular structure Redox Reactions Thermodynamics			
SEPTEMBER	21	Redox Reactions	Practice sheet	Infographic
OCTOBER	21	Organic Chemistry -I	Grid activity Practice sheet	Infographic
NOVEMBER		Hydrocarbon	Grid activity	
PERIODIC TEST II	Redox reactions & Organic Chemistry -I			
DECEMBER	24	Equilibrium	Practice Sheet of Numericals	Infographic
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM	Full Syllabus			

SUBJECT - MATHEMATICS

Month	Days for Syllabus Completion/Revision	Content	Subject Activities/Experiential learning	Enrichment	Art Activities/ Assessment	Integrated Internal Activities
APRIL	19	Ch-15 statistics, ch-12 three dimensional geometry, ch-5 complex number	Plot Point on 3-D		Find Mean and Var. of Data	
MAY	24	Ch-6 linear inequalities, Ch -1 sets ,ch-2 relation and function .	Graph of linear in equation			
PERIODIC TEST I	Mention Chapters ch-15, ch-5, Ch -12					
JULY	23	Ch-16 probability, ch-7 permutations and combinations ,Ch -8 Binomial theorem.	Explation of n power			
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24				
TERMINAL EXAM	Mention Terminal Exam Syllabus for Examination Ch -1, ch-2, ch-5, ch-6, ch-7, ch-8, Ch -12, ch-15, ch-16					
SEPTEMBER	21	Ch-3 Trigonometric Function ,Ch -9 sequence and series	Graph of Trigonometric Function			
OCTOBER	21	Ch-10 straight lines ,Ch -11 conic section				
NOVEMBER	19	Ch-13 limits and derivatives	Slope of Tangent			
PERIODIC TEST II	Mention Chapters ch-3, Ch -9, Ch -10					
DECEMBER, JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24						
ANNUAL EXAM	Mention Annual Exam Syllabus Full syllabus					

SUBJECT - BIOLOGY

Month	Days for Syllabus Completion/Revision	Content	Subject Activities/Experiential learning	Enrichment	Art Activities/ Assessment	Integrated Internal Activities
APRIL	19	Unit 3,Chapter 8&10	Mind map, quiz, role play		Sketching of diagrams, model	
MAY	24	Unit 3: chapter 9 & unit 1	Flow chart , quiz		Sketching of diagrams	
PERIODIC TEST I	Chapter 8& 10					
JULY	23	Unit 1 contd& unit 2				
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24				
TERMINAL EXAM	Mention Terminal Examination and Assessment	Exam Syllabus for Internal Chapters	Mention Activities for Internal Assessment Chapters		Mention Activities for Internal Assessment Chapters	
SEPTEMBER	21	Unit 4	Flow chart , interactive games		Sketching , Model making	
OCTOBER	21	Unit 5	Mind map , quiz, interactive games		Sketching of diagrams Model making	
NOVEMBER	19	Unit 5 cont & Revision				
PERIODIC TEST II	Mention Chapters					
DECEMBER	24					
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24						
ANNUAL EXAM	Mention Annual Exam Syllabus including Chapters from Term 1 for Examination /Chapters for Internal Assessment.		Mention Activities /Project for Internal Assessment Chapters		Mention Activities/Project for Internal Assessment Chapters	

SUBJECT - PHYSICAL EDUCATION

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/Internal Assessment Activities
APRIL	19	1.Changing Trends and career in physical education 2.Olympism	Sports Activities & Career Counseling Session	Sketching
MAY	24	3.Yoga 4. Physical education and Sports CWSN	Aerobic Functions	Poster making
PERIODIC TEST I	PT -I Syllabus: 1.Changing Trends and career in physical education 2.Olympism			
JULY	23	5.Physical fitness health and Wellness 6.Test ,Measurement and Evaluation	Regional games	Sketching
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM	TERM -I SYLLABUS:1.Changing Trends and career in physical education 2.Olympism 3.Yoga 4. Physical education and Sports CWSN5.Physical fitness health and Wellness 6.Test ,Measurement and Evaluation			
SEPTEMBER	21	7.Fundamentals of Anatomy , Physiology in exercise & sports. 8.Fundamental of anatomy Physiology in sports	Group Discussions on Anatomy	Sketching
OCTOBER	21	9.Psychology & Sports	Group discussions	-----
NOVEMBER	19	10.Training & Doping in Sports	Counseling session	-----
PERIODIC TEST II	7.Fundamentals of Anatomy , Physiology in exercise & sports. 8.Fundamental of anatomy Physiology in sports			
DECEMBER	24	Revision		
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM SYLLABUS	FULL SYLLABUS			

SUBJECT - MUSIC

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/Internal Assessment Activities
APRIL	19	Nada, Shruti,swar,saptak,thaat,rag a bihag,teental	Showing live concerts of talas and ragas,tala demo on handbeat.	Making charts on tala and musical forms.
MAY	24	Miyan tansen,dhrupad,margi deshi sangeet,nibadha -anibadha gan,dadra tala	Extra knowledge from group discussion	Charts on talas and deshi sangeet.
PERIODIC TEST I	Nada,shruti,swar,saptak,raga bihag,teental,dadra tala,miyan tansen			
JULY	23	Khayal,natya shastra,keharwa tala,	Showing musical program of drut khayal on described ragas of syllabus	
AUGUST	24	Revision of Term I Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM	Nada,shruti,swara,saptaka,margi - deshi sangeet,nibadha - anibadha gan,dhrupad, khayal,natya shastra,miyan tansen, teental,dadra tala,kehrwa tala,raga bihag (For internal assessment also)		Group singing of drut khayal,tala on handbeat,tana practical with teental	Small project file of First term exam,
SEPTEMBER	21	Thaat,jati,ektala,tarana,raga bhairavi	Showing concert of taranas and raga bhairavi.	Making charts on jati and practice of talas on hand beat
OCTOBER	21	Laya,tala ,chaartala ,gharana,raga jaunpuri,	Group discussion on introduction of ragas	
NOVEMBER	19	Raga,swarmalika,pt.V.N Bhatkhande,raga bhimpalasi	Group discussion on introduction of talas	
PERIODIC TEST II	Thaat,jati,laya,tala,ektala,tarana,raga bhairavi,pt.V.N Bhatkhande			
DECEMBER	24	Lakshangeet,sultala ,pt. V.D Paluskar, Tanpura	Group discussion of instruments and biography of musicians.	
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM	Nada, Shruti,swar, saptak, thaat, jati, laya, tala, margi - deshi sangeet, nibadha -anibadha gan,raga, swarmalika, lakshangeet, dhrupad, khayal, Tarana,gharana,natya shastra, Miyan tansen,V.N Bhatkhande,V.D Paluskar, Tanpura,raga bihag, bhimpalasi, bhairavi, jaunpuri, teental, ektala,dadra, keharwa, chaartala, sultala (For internal assessment also)		Group singing of 5-10 students of drut khayal and tarana. Group students tala practical on handbeat	Making project file of music in a creative way and with modern technology.

SPLIT-UP OF SYLLABUS
CLASS- XI SUBJECT- INFORMATICS PRACTICES(065)
SESSION 2023-24
DISTRIBUTION OF MARKS

UNIT	UNIT NAME	THEORY MARKS
1	Introduction to computer system	5
2	Introduction to Python	25
3	Database concepts and the Structured Query Language	25
4	Introduction to Emerging Trends	5
5	Numpy	10
	TOTAL	70
	PRACTICAL	30
	G.TOTAL	100

MONTH-WISE DISTRIBUTION

Month	Days for Syllabus Completion/Revision	Content	Subject Enrichment Activities/Experiential learning	Art Integrated Activities/ Internal Assessment Activities
APRIL	19	<p>Unit 1: Introduction to Computer System</p> <p>Introduction to computer and computing: evolution of computing devices, components of a computer System and their interconnections, Input/output devices.</p> <p>Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns.</p> <p>Software: purpose and types – system and application software, generic and specific purpose software.</p> <p>Unit 2: Introduction to Python</p> <p>Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types.</p>	<p>QUIZ ONLINE</p> <p>PRACTICAL</p>	<p>CHART ON COMPUTING DEVICES, UNITS OF MEMORY, TYPES OF SOFTWARE</p>
MAY	24	<p>Statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.</p>	<p>Practical</p>	<p>Practical</p>
		<p>Control Statements: if-else, for loop.</p> <p>Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.</p>		
PERIODIC TEST I		<p>Computer System, Introduction to Python</p>		

JULY	23	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and elements, dictionary methods and built-in functions. Unit 3: Database concepts and the Structured Query Language Database Concepts: Introduction to database concepts Database Management System. Relational data model: Concept of domain, tuple, candidate key, primary key, alternate key, foreign key	Practical deleting and its need, relation,	
AUGUST	24	Revision of Term 1 Syllabus and Terminal Examination 2023-24		
TERMINAL EXAM		1.COMPUTER SYSTEM 2. INTRODUCTION TO PYTHON. 3. LISTS AND DICTIONARIES 4.DATABASE CONCEPT	Mention Activities for Internal Assessment Chapters NA	Mention Activities for Internal Assessment Chapters NA
SEPTEMBER	21	Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language. Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE TABLE ,ALTER TABLE,DROP TABLE	PRACTICAL	PRACTICAL
OCTOBER	21	Data Query: SELECT, FROM, WHERE. Data Manipulation: INSERT ,UPDATE, DELETE Unit 4: Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT)	PRACTICAL QUIZ ON EMERGING TRENDS	PRACTICAL PPT ON EMERGING TRENDS
NOVEMBER	19	Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology. • Revision, Project work	MODEL OF SMART CITY	BLOCK CHAIN /CLOUD COMPUTING PPT/CHART
PERIODIC TEST II		DATABASE CONCEPT , MYSQL		
DECEMBER	24	Data Handling using NumPy Data and its purpose, importance of data, structured and unstructured data, data processing cycle, basic statistical methods for understanding data - mean, median, mode, standard deviation and variance. Introduction to NumPy library, NumPy arrays and their advantage, creation of NumPy arrays; indexing, slicing, and iteration; concatenating and splitting array Arithmetic operations on one Dimensional and two Dimensional arrays. Calculating max, min, count, sum, mean, median, mode, standard deviation, variance on NumPy arrays	PRACTICAL	PRACTICAL
JANUARY, FEBRUARY and MARCH – Revision of Annual Exam Syllabus and Annual Exam 2023-24				
ANNUAL EXAM		FULL SYLLABUS	Mention Activities /Project for Internal Assessment Chapters	Mention Activities/Project for Internal Assessment Chapters