

CLASS-11th (English)**(NCERT) HORNBILL****(NCERT) Snapshots and BBC Compacta along with Literature Companion**

Sr No.	Months	Hornbill	Snapshots	Writing/Reading/Grammar(BBC Compacta)
1	July	The Portrait of a Lady	The Summer of the Beautiful White Horse	Notice, Advertisement, Comprehension
2	August	We are not Afraid to die if We can all be Together, A Photograph	The Address	Article Writing, Note-Making, Determiners, Letter to Editor
3	September	Mid term Exam		
4	September	Discovering Tut, The Laburnum Top	Ranga's Marriage, Albert Einstein at School	Speech Writing, Business Letters
5	October	Landscape of the Soul, Voice of the Rain	Mother's Day	Poster Making, Debate Writing, Clauses
6	November	The Ailing Planet, Childhood, Father to Son		Revision
7	December	The Browning Version, The Adventure Silk Road Post mid term Exam	The Ghat of the Only World Birth The Tale of the Melon City	Letters , Invitations, Transformation of Sentences, Omission
	January	Revision		
9	February	Final exams		
10				
11				

SUBJECT: PHYSICS

Book prescribed: NCERT

Marking scheme

Lab manual : Comprehensive physics practical

Theory 70 Practical 30

Months	Chapters	Practicals	Activities
July	Unit I physical world and Measurement Unit II kinematics Unit III laws of motion	<ul style="list-style-type: none"> To find the diameter of a spherical body by Vernier calipers. To find the diameter of a given wire buy screw gauge. To find the radius of curvature of a spherical surface by a spherometer. 	I. To make a paper scale of given least count.
August	Weekly test Unit IV work, energy and power Unit V motion of system of particle and rigid body	<ul style="list-style-type: none"> To find the weight of a body using parallelogram law of vector. Using a simple pendulum, plot its L-T graph and use it to find the effective length of Pendulum. To find the value of g by using simple pendulum. 	II. To measure the force of limiting friction for rolling of a roller on a horizontal plane. III. To study the variation of range of a projectile with angle of projection.
September	Midterm exam		
October	Unit VI gravitation Unit VII properties of bulk matter	<ul style="list-style-type: none"> To study the relation between force of limiting friction and reaction and to find the coefficient of friction between a block and horizontal surface. To find the downward force along an inclined plane acting on a roller due to gravitational pull of Earth. To determine young modulus of elasticity of the material of a wire. 	IV. To observe change of state and plotting a cooling curve for molten wax
November	Unit VIII thermodynamics Unit IX behavior of perfect gases and kinetic theory of gases	<ul style="list-style-type: none"> To find the force constant of a helical spring by plotting a graph between load and extension. To find the surface tension of water by capillary rise method. To study the relation between the temperature of a hot body and time by plotting a cooling curve. 	V. To study the effect of detergent on surface tension.
December	Post mid term exam		
January	Unit X oscillations and waves Revision	<ul style="list-style-type: none"> To study the relation between the frequency and length of a wire under constant tension using sonometer. To find the relation between the tension and the length of a wire under constant frequency. To find the speed of sound in air at room temperature using a resonance tube. 	
February	Annual exam		

CLASS – XI
SUBJECT – CHEMISTRY (2021-22)

Book Prescribed: N.C.E.R.T

Lab Manual: Comprehensive

Marks Distribution Total Marks : 100 , Theory : 70

Practical+Project: 30

Month	Chapters	Practicals	Projects
July	Unit 1 Some Basic Concept of Chemistry Unit 2 Structure of Atom Unit 3 Classification of elements and periodicity in properties	*Some Basic Laboratory Techniques (Cutting glass rod, Bending glass tube, boring a cork etc.)	Students are also expected to carry out one investigatory project that would engage them for about 10 days in actual experimentation. They would be expect to submit a project report on the same that would include a presentation of the results obtained in their investigation.
August	Unit 4 Chemical Bonding and Molecular Structure Unit 5 State of Matter: Gases, Liquids and solid Unit 8 Redox Reaction	* Characterisation and Purification of Chemical Substances	Investigatory Projects are: * To study foaming capacity of soaps and the effect of addition of sodium carbonate on it. * To Study rate of evaporation of different liquids. * To study the effect of acids and bases on the tensile strength of fibres.
September	Term-1 Exam		* Preparation of an Alum from scrap of aluminium. * Study of methods of purification of water * Analysis of Hard Water. * To study the acidity of fruits and vegetable juices.
October	Unit 6 Thermodynamics Unit 7 Equilibrium Unit 9 Hydrogen		* Checking the bacterial contamination in drinking water by testing sulphide ion. *To study the acidity of different samples of tea leaves.
November	Unit 12 Organic Chemistry * Some basic principles and techniques Unit 13 Hydrocarbons Unit 10 s-block elements (Alkali and alkaline earth metals)	* Qualitative estimation (Determination of one anion and one cation in a given salt) *Detection of Nitrogen, Sulphur, Chlorine, Bromine and Iodine in an organic compound.	Note: - Any other investigatory project, which involve about 10 periods of work can be chosen with approval of the teacher.
December	Unit 11 p-block elements (gp-13,14 & 15) Revision TERM-2 EXAM		
January	Revision		
February	Revision	Final Practicals	

Class 11
Subject: Biology

Books Published: NCERT

Marking Scheme:

Theory: 70
Practical: 30

Lab Manual: Comprehensive

MONTH	UNIT	EXPERIMENT
JULY	UNIT 5: HUMAN PHYSIOLOGY	1. Structure and working of compound microscope. 2. Study mitosis in onion root tip.
AUGUST	UNIT 2 : STRUCTURAL ORGANIZATION IN PLANTS AND ANIMALS	
SEPTEMBER	MID TERM EXAM	
OCTOBER	UNIT 3: CELL: STRUCTURE AND FUNCTIONS	3. To Study the given specimen.
NOVEMBER	UNIT 4: PLANT PHYSIOLOGY	4. To study the effect of temperature on salivary amylase.
DECEMBER	POST MID TERM EXAM	
JANUARY	UNIT-1 DIVERSITY IN LIVING WORLD, Revision & Final Practical	5. To study the rate of transpiration.
FEBRUARY	ANNUAL EXAM	Note: one investigation project on any topic of syllabus.

Subject: Mathematics

Sr.No.	Month	Name of chapters	Activities
1	July	<ul style="list-style-type: none"> • Sets • Relations and functions 	<ul style="list-style-type: none"> • Activity 7 • Activity 11
2	August	<ul style="list-style-type: none"> • Linear Inequality • Trigonometry • Complex Numbers • Weekly test 	<ul style="list-style-type: none"> • Activity 13
3	September	<ul style="list-style-type: none"> • Revision & Mid-term Exam 	<ul style="list-style-type: none"> • Activity 14
4	October	<ul style="list-style-type: none"> • Sequence and series • Straight line • Conic section 	<ul style="list-style-type: none"> • Activity 15 • Activity 20
	November	<ul style="list-style-type: none"> • Introduction to 3-Dimensional Geometry • Limit and derivative 	<ul style="list-style-type: none"> • Activity 23 • Activity 28
5	December	<ul style="list-style-type: none"> • Permutation & Combination • Post – Mid Term Exam 	<ul style="list-style-type: none"> • Activity 1 • Activity 3
6	January	<ul style="list-style-type: none"> • Probability • Statistics Revision 	
7	February	Annual exam	

Publisher – Arya.
Writer -D. k Goel.

Class -XI
Subject –Accountancy

Theory 80
Project -20

Month	Unit	Project
July	1. Introduction to Accounting 2. Theory Based of accounting	To make project on journal
August	3. Recording of business transaction	To make project on ledger
September	Mid term exam	
October	4. Trial Balance and rectification of errors 5. Depreciation, provision and reserve	To make project on Depreciation
November	6. Accounting for Bill of Exchange 7. Financial statements	To make project on Bill of exchange
December	Post mid term exam	Revision
January	8. Accounts for Incomplete record 9. Accounting and Data base system	To make project on Data base system
February	Revision	
March	Final Exams	

Subject :Businesses studies.
Publisher :V. k publication.

Class XI
Business Studies

Total marks 100
Theory 80 practical 20

Month	No of Units	Chapters
July	3	Business -An introduction classification of business activities. Sole proprietorship.
August	2	Weekly Test +joint Hindu family Business, Partnership organization
September	Mid -Term exam	
October	5	Co-operative society
		Company organization
		Formation of company
		Choice of form of business organization
		Private and public sector. Banking
November	7	Insurance Life insurance, fire and marine insurance Communication services E-Business and outsourcing of services Social responsibility of business Small business
December	Post Mid term exam	Revision
January	7	Internal trade Wholesale trade Retail trade International trade Import trade Export trade World Trade organization
February	Revision	Revision
March	Final exams	

Class XI (ECONOMICS)

Books: 1. Micro Economics

Author : T.R.Jain

2. Statistics for Economics

MONTHS	MICRO ECONOMICS	STATISTICS FOR ECONOMICS	PROJECT
July	<ul style="list-style-type: none"> • Economics and Economy • Central problems of an economy 	VI. Concepts of Economics and Significance of Statistics in Economics VII. Collection of Data	Project on use of Statistical Tools- Developing projects in statistics
August	<ul style="list-style-type: none"> • Consumer's Equilibrium- utility Analysis • Consumer's Equilibrium- Indifference Curve Analysis Weekly Test	VIII. Census and sample methods of collection of Data IX. Organization of Data	Project on any two methods of collection of data WEEKLY TEST
September	MID TERM EXAMS		
October	<ul style="list-style-type: none"> • Theory of demand • Price Elasticity of Demand • Production Function and Returns to a factor 	X. Presentation of data- textual and tabular Presentation XI. Diagrammatic Presentation of Data- bar diagrams and Pie diagrams	Project on Price Elasticity of Demand: Measurement and Application
November	<ul style="list-style-type: none"> • Concepts of Cost • Concepts of Revenue 	XII. Frequency Diagrams – Histograms, Polygon and Ogive XIII. Arithmetic Line- Graph or Time series Graphs	Project on relationships of costs
December	POST MID TERM EXAMS		
January	<ul style="list-style-type: none"> • Theory of supply • Forms of Market 	XIV. Measures of central Tendency- Arithmetic Mean XV. Measures of central Tendency- Median and Mode	Project on forms of market (perfect competition)
February	Revision		
March	Final Exams		

CLASS - 11
SUBJECT - HISTORY

BOOK PRESCRIBED - N.C.E.R.T

MARKING SCHEME:
THEORY:80, PRACTICAL:20

MONTH	CHAPTER	No.of Chapters
July	Writing and City Life and An Empire Across Three Continents	2
August	The Central Islamic lands and weekly test	1
September	Mid- Term Exam	
October	Nomadic Empires, The Three Orders	2
November	Confrontation of cultures and The Industrial Revolution	2
December	Revision and Post Mid-Term Exam	
January	Paths to Modernisation and Revision	1
February	Final Exams	

SUBJECT- POLITICAL SCIENCE

BOOK PRESCRIBED - N.C.E.R.T

MARKING SCHEME:
THEORY: 80,PRACTICAL: 20

Month	Chapter	No. Of Chapters
July	Constitution: Why, How and Philosophy of the Constitution, Rights in the Indian constitution, Election and Representation	3
August	The Executive, Political Theory: An introduction and Weekly Test	2
September	Revision and Mid- Term Exam	
October	The Legislature, The Judiciary, Local Governments and Freedom	4
November	Equality, Social Justice and Rights	3
December	Revision and Post Mid Term Exam	
January	Development and Post Mid- Term Exam	1
February	Revision and Final Exams	

CLASS - XI
SUBJECT- INFORMATICS PRACTICES (065)

BOOK PRESCRIBED:- INFORMATICS PRACTICES
PUBLICATION - DHANPAT RAI & CO.
WRITER:- SUMITA ARORA

MONTH	CHAPTERS	ACTIVITIES
July	Ch- 1 Computer System Ch-2 Getting Started with Python	Develop a presentation on Storage Units Create a project report on Types of Software & Evolution of Computer
August	Ch- 3 Python Fundamentals Ch-4 Data Handling Weekly Test	Develop a presentation on Tokens : (Keywords, Identifiers, Literals and Operators, Data Types, Operators and Expressions)
September	Ch- 5 Conditional & Iterative Statements Revision & Mid Term Exam	Create Programs : Using IF, For loop, While loop, do- while loop and nested for loop
October	Ch-10 Database concept Ch- 11 Structure Query Language	Create a table in SQL and enter the records of at least 20 students , Apply Different constraints, clauses as : Order By, Group By, Distinct, Like, IN clause etc.
November	Ch- 6 List Manipulation Ch- 7 Dictionaries	Create a chart on : List Functions and Methods Create a dictionary of your friends with their contact No.
December	Ch-9 Working with NumPy Revision & Post Mid Term Exam	Develop project report on NumPy Arrays. Create 1D, 2D array and 3D array
January	Ch- 8 Understanding Data Ch- 12 Emerging Trends Revision & Project Report	Create a project report on Cyber Safety Develop a Presentation on Artificial Intelligence
February	Revision & Annual Exam	
March		

Class XI
Subject : Physical Education (048)

Book Prescribed: SP Text Book on Physical Edu.

Lab Manual – SP

Writer :Dr. Manu Sood

Month	Unit's Name	Activity Name
July	Unit- 1 Changing Trends and Career in Physical Education Unit- 2 Olympic Value Education	Athletics : Track Events
August	Unit- 3 Physical Fitness, Wellness, Lifestyle Unit- 4 Physical Education & Sports for CWSN Weekly Test	Athletics : Field Events
September	Unit-5 Yoga Mid term exam	Athletics : Combined & Others Events
October	Unit- 6 Physical Activity & Leadership Training Unit- 7 Test, Measurement and Evaluation	Badminton / Judo /Taekwondo
November	Unit- 8 Fundamentals of Anatomy, Physiology & Kinesiology in Sports Unit- 9 Psychology & Sports	BMI
December	Revision and Post Mid Term Exam	Yoga
January	Unit- 10 Training and Doping in Sports	
February	Revision & Annual Exam	

Subject : Music

Book prescribed- SANGITIKA

Month	Topics	Practicals
April	Unit 1: brief study of the following: Alankar, kan,meend,khatka,murki,gamak	One vilambit Khyal with simple elaboration and few Tana's in any two of the prescribed ragas
May	Unit 1: brief study of the following: Gram,Murchhana,Alap,Tana Pre mid term examination coin	One Drut Khyal with simple elaborations and few tanas in the following Ragas,Bhairav,Bageshri and Malkauns
June	Summer vacation	One Tarana and one Dhamar with Dugun and Chaugun one of the prescribed Ragas
July	Unit 2: historical development of time theory of Ragas	Eligibility to recognise The ragas from the phrases of sawaras rendered by the examiner.
August	Detail study of the following Sangeet Ratnakar, sangeet parijat Life sketch and his contribution of Fayaz Khan, Bade Ghulam Ali Khan, Krishna Rao, Shankar Pandit	Recitation of the Thekas of jhaptala , Rupak and Dhamar with Dugun and Chaugun keeping Tala with hand beats.
September	Description of prescribed Talas along with Tala notation with Thah,Dugan,Tigun and Chaugun Jgaptala Rupak Dhamar Mid term examination	Tuning of tanpura
October	Critical study of prescribed Ragas along with recognising ragad from phrases of sawaras with elaborating them excluding Raga Shuddha sarang Writing in notation the composition of prescribed Ragas.,Bhairav,Bageshri , Malkauns	
November	Post mid term exam	
December	Revsion	
January	Pre board exam	
February	Board practicals	
March	Board exam	