

CLASS- XII ENGLISH

MONTH	TOPIC	ACTIVITY
APRIL	FLAMINGO: L-1 THE LAST LESSON L-2 LOST SPRING P-1 MY MOTHER AT SIXTY SIX VISTAS: L-1 THE THIRD LEVEL L-2 THE TIGER KING WRITING: (NOTICES,	*SILENT READING, DISCUSSION AND EXPLANATION *DISCUSSION OF FORMAT , VALUE POINTS * CUTTING AND PASTING ADS FROM NEWSPAPERS
MAY	FLAMINGO: L-3 DEEP WATER P-2 AN ELEMENTARY SCHOOL P-3 KEEPING QUIET VISTAS: L-3 JOURNEY TO THE END OF THE EARTH	*SILENT READING, DISCUSSION AND EXPLANATION *DISCUSSION OF FORMAT , VALUE POINTS
JULY	FLAMINGO: L-4 THE RAT TRAP VISTAS: L-4 THE ENEMY	*SILENT READING, DISCUSSION AND EXPLANATION *DISCUSSION OF FORMAT , VALUE POINTS
AUGUST	FLAMINGO: L-5 INDIGO P-4 A THING OF BEAUTY VISTAS : L-5 SHOULD WIZARD HIT MOMMY WRITING: SPEECH , DEBATE REVISION FOR EXAM	*SILENT READING, DISCUSSION AND EXPLANATION *DISCUSSION OF FORMAT , VALUE POINTS

<p>SEPTEMBER</p>	<p>FLAMINGO: L-6</p> <p>POETS AND PANCAKES</p> <p>WRITING: REPORTS FLAMINGO L-7 THE INTERVIEW P-5 A ROAD SIDE STAND P-5 A ROAD SIDE STAND</p>	<p>*SILENT READING, DISCUSSION AND EXPLANATION</p> <p>*DISCUSSION OF FORMAT , VALUE POINTS</p>
<p>OCTOBER</p>	<p>VISTAS: L-6 ON THE FACE OF L-7 EVANS</p> <p>IT TRIES ON O-LEVEL WRITING: INVITATIONS (2nd periodic test)</p>	<p>*SILENT READING, DISCUSSION AND EXPLANATION</p> <p>*DISCUSSION OF FORMAT , VALUE POINTS</p> <p>*CONDUCTING AN INTERVIEW</p> <p>*BRINGING AND DISPLAYING REAL INVITATION CARDS</p>
<p>NOV.</p>	<p>FLAMINGO: L-8 GOING PLACES</p> <p>AUNT JENIFER'S TIGERS</p> <p>VISTAS: L-8 MEMORIES OF CHILDHOOD (i) THE CUTTING OF MY LONG HAIR (II) WE TOO ARE HUMAN BEINGS</p> <p>ASL PRACTICE</p> <p>P-6</p>	<p>*SILENT READING, DISCUSSION AND EXPLANATION</p> <p>*PRESENTATION BY STUDENTS</p>
<p>DEC.</p>	<p>REVISION AND PRE-BOARD EXAMS</p>	
<p>JAN. FEB.</p>	<p>REVISION AND FINAL EXAMS</p>	

CLASS –XII ECONOMICS

MONTH	TOPIC	ACTIVITY
APRIL	Part-A Introductory Macroeconomics 1. National Income and Related Aggregates 1. National Income and Related Aggregates 2. Money 2. Money Revision and Test	To study the different methods to calculate National Income and supply of Money
MAY	* Banking * Banking 3. Determination of Income and Employment (continue.) 3. Determination of Income and Employment (continue.) Test and Revision	To study the banking system and to Determine the level of income output and employment in the economy
JUNE	SUMMER BREAK	
JULY	3. Determination of income and Employment 3. Determination of income and Employment 4. Government Budget 4. Government Budget	To study about the components of government Budget
AUGUST	5. Balance of Payment and Foreign Exchange Rate 5. Balance of Payment and Foreign Exchange Rate Part- B Indian Economic Development 6. Development Experience (1947-90) and Economic reforms since 1991(conti.) 6. Development Experience (1947-90) and Economic reforms since 1991(conti.)	To study about the Balance of Payment and Foreign Exchange rate and also the development experience of Indian economy

September	Half Yearly Exams	
	Unit -6 (continue)	
October	7. Current challenges facing Indian Economy	To study about challenges facing Indian Economy like Poverty, Unemployment etc.
	Revision and test	
November	8. Development experience of India- A comparison with neighbours	To study about development experience of India Pakistan and China
December	Preboard Exams	

XII- (Business Studies)

Month	Topic	Activity
April	1. Nature & Significance of Management	To study the nature of management, its principles & Environment (Revision & Test)
	2. Principles of Management	
	3. Business Environment	
May		To study the Meaning & Process of Planning and Organising
June	4. Planning	
	5. Organising	
	2nd Unit test	
July	6. Staffing	To study the Meaning & Process of Staffing and elements of Directing
	7. Directing	
August	8. Controlling	To study the concept & Role of Controlling
Sept.	Half Yearly Exam	
Oct.	9. Financial Management	To study the role of Financial Management & Capital Market & Money
	10. Financial Market	
Nov.	11. Marketing	To study the various activities included in Marketing
	12. Consumer Protection	
Dec.	2nd Periodic Test	

Units		Periods	Marks
Part A	Principles and Functions of Management		
1.	Nature and Significance of Management	12	16
2	Principles of Management	14	
3	Business Environment	12	
4	Planning	14	14
5	Organising	15	
6	Staffing	16	20
7	Directing	15	
8	Controlling	12	
	Total	110	50
Part B	Business Finance and Marketing		
9	Financial Management	20	15
10	Financial Markets	18	
11	Marketing Management	30	15
12	Consumer Protection	12	
	Total	80	30
Part C	Project Work (One)	30	20

XII Music

Month	Topices	Teaching Aids	Activities
April	Alankar, Life Sketch of Bade Gulam Ali Khan , Varna , Description of Raag Bhairav, Pt. Krishan Rav Shankar	Team,ppt,MS Office, Laptop,Animared Lessons,Internet & MY STUDIO	prepare file of Raag Bhairav Write any 10 Alankar in file
May	Taal Rupak with hand beats Theory:- Gram, Gamak, Alankar Work of Pt. Bhatkhande	Team,ppt,MS Office, Laptop,Animared Lessons,Internet & MY	Make a chart of Taal Rupak and Ek Taal
June	revision of swar ,Saptak,Raag,Thaat And basic deffinations of Music	Zoom, microsoft Team,ppt,MS Office, Laptop,Animared Lessons,Internet & MY	Make pdf of the topices
July	Raag , Taal Tilwara with hand beats Theory:- Description Taal ,Laya and its types, Time Theory of Raagas	Zoom, microsoft Team,ppt,MS Office, Laptop,Animared	Make a chart of Taal Tilwara
Augest	Dhamar With hand beats ekgun & Dugun Theory : sangeet Ratnakar, various parts and Tuning of taanpura	Team,ppt,MS Office, Laptop,Animared Lessons,Internet & MY STUDIO	Make a chart of Taal Dhamar and Raag Bageshree
Sepetember Revision & Exams			
October	practical: Raag Malkauns With aarh avroh & pakar Theory : Classification of raaga vergikaran anicent medieval and modren Sangeet parizat, life sketch of ustad Abdul Karim Khan	Harmonium , Tabla, Taanpura, Chalk ,Dustor and Board	Prepare file of Raag Malkauns
November	Practical : Raag Shudh Sarang,Jhup Taal dugun & chaugun With hand beats Theory: Meend, Khatka, murki, kan, Murchanna, Gram, Gamak life sketch of ustad Faiyaz Khan Recognize the raag by its swara	Harmonium , Tabla, Taanpura, Chalk ,Dustor and Board	Prepare file of Raag Shudh Sarang and Jhup Taal
December	Revision & Exams		
January	Practical practice of all raagas and revision	Harmonium , Tabla, Taanpura, Chalk ,Dustor and Board	

CLASS- XII Physical education

MONTH	TOPIC	ACTIVITY
APRIL	UNIT-1 PLANNING IN SPORTS UNIT-2 SPORTS AND NUTRITION	*ORGANISE SPORTS COMPETITION &DISCUSSION AND EXPLANATION *COLLECTION OF DATA * PREPARE A CHART OF DIFFERENT
MAY	UNIT -3. YOGA AND LIFESTYLE PROCEDURE FOR BENEFITS AND CONTRAINDICATION FOR ANY TWO ASANAS FOR EACH LIFESTYLE DISEASE	*SHOW CHART OF DIFFERENT YOGIC ASANAS FOR EACH LIFESTYLE DISEASE *DISCUSSION THE BENEFITS OF DIFFERENT ASANAS *PRACTICE OF DIFFERENT
JULY	UNIT-4 PHYSICAL EDUCATION AND SPORTS FOR CWSN (CHILDREN WITH SPECIAL NEEDS-DIVYANG) UNIT-5 CHILDREN AND WOMEN IN	*DISCUSSION AND EXPLANATION OF DIFFERENT TYPE OF DISABILITY AND DISORDER *SHOW THE CHART OF DIFFERENT TYPE OF DISABILITY AND DISORDERS, POINTS
AUGUST	UNIT-6 TEST AND MEASUREMENT IN SPORTS.	* SHOW THE DIFFERENT MEASUREMENT TOOLS AND PRACTICE OF DIFFERENT TEST.TO CONDUCT TEST SENIOR CITIZEN TEST AND MOTOR FITNESS TEST *DISCUSSION
SEPTEMBER	UNIT-7 PHYSIOLOGY AND INJURIES IN SPORTS.	* OBSERVE AND NOTE DOWN THE DIFFERENT CHANGES DURING EXERCISE IN BODYAND DISCUSSION THE DIFFERENT TYPES OF INJURIES DURING AND PRACTICE
OCTOBER	UNIT-8. BIOMECHANICS AND SPORTS UNIT-9. PSYCHOLOGY AND SPORTS	* OBSERVE AND DISCUSSION THE DIFFERENT MOVEMENTS OF THE BODY DURING THE DIFFERENT DIFFERENT EXERCISES. APPLICATION THE LAWS OF MOTION IN VARIOUS SPORTS ACTIVITIES AND EXPLAIN
NOV.	UNIT-10. TRAINING IN SPORTS	*CONDUCT THE CIRCUIT TRAINING
DEC.	REVISION AND PRE-BOARD EXAMS	
JAN. FEB.	REVISION AND FINAL EXAMS	

Class XII - INFORMATION TECHNOLOGY – 802

Month	Topic	Teaching Aids	Activities
April	PART-A		
	Unit-1 Communication Skills	Chalk , Green Board	
	Unit -2 Self Management Skills	Projector, Computer	Oral Test, Pen Paper Test
	Unit-3 Basic ICT Skills		
May	Unit-4 Entrepreneurial Skills	Chalk , Green Board	Oral Test, Pen Paper Test
	Unit -5 Green Skills		
July	PART-B		
	Ch-1 Database Concept-RDBMS	Chalk , Green Board	Quiz, Text Book
	Ch-2 Operating Web Based Application	Projector, Computer	Hand on Learning
August	Ch-3 Fundamental of Java Programming	Projector, Computer	Experiments, Projects
September	Revision & Half Yearly Examination		
October	Ch-3 Fundamental of Java Programming	Projector, Computer	Experiments, Projects
November	Ch-4 Work Integrated Learning IT-DMA	Projector, Computer	Experiments, Projects
		Computer	Oral Test, Pen Paper Test
December	Revision & Pre-Board Examination		

Class XII - INFORMATION TECHNOLOGY – 802
SESSION: 2020-21

TIME: 3 HOURS

Max. Marks: 60

PLEASE NOTE THAT:

- This Question Paper contains 42 (11+31) questions. A candidate needs to answer 30 (7+23) questions.
- The Question paper is divided into two parts viz. Part A: Employability Skills of 10 marks and Part B: Subject Skills of 50 marks.
- Part A: Employability Skills (10 Marks):
 - There are 6 questions of 1 mark each. Answer any 4 questions (1 x 4 = 4 Marks).
 - There are 5 questions of 2 marks each. Answer any 3 questions. (2 x 3 = 6 Marks).
- Part B: Subject Skills (50 Marks):
 - There are 12 questions of 1 mark each. Answer any 10 questions (1 x 10 = 10 Marks).
 - There are 7 questions of 2 marks each. Answer any 5 questions (2 x 5 = 10 Marks).
 - There are 7 questions of 3 marks each. Answer any 5 questions (3 x 5 = 15 Marks).
 - There are 5 questions of 5 marks each. Answer any 3 questions (5 x 3 = 15 Marks).
- This Question paper also has question(s) of 5 marks weightage conforming to Higher Order Thinking Skills (HOTS) as per Bloom's revised taxonomy of cognitive learning.

CLASS XII (MATHEMATICS)

MONTH	CONTENTS WITH SUB TOPICS	ACTIVITY/PROJECT
APRIL	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function.	To demonstrate a function which is not one-one but onto
	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions, Elementary properties of inverse trigonometric function.	To DRAW THE Graph of inverse trigonometric function and demonstrate the concept of mirror reflection (about the line $Y = X$)
MAY	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	
	Determinant of a square matrix (up to 3×3 matrices), properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	

JULY	<p>Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.</p>	To verify Rolle's /Lagrange's mean value theorem
	<p>Applications of derivatives: rate of change of bodies, increasing/decreasing functions, tangents and normals, use of derivatives in approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).</p>	To make a chart of the formulae of Application of calculus
		To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
AUGUST	<p>Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the specific types</p>	
SEPT	<p>Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>	To evaluate the definite integral as the limit of a sum and verify it by actual integration
OCT		

	<p>Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only), Area between any of the two above said curves (the region should be clearly identifiable).</p>	
	<p>Definition, order and degree, general and particular solutions of a differential equation.formation of differential equation whose general solution is given.Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + py = q$, where p and q are functions of x or constants. $dx/dy + px = q$, where p and q are functions of y or constants.</p>	<p>Formation of a differential equation</p>
<p>OCT - Nov.</p>	<p>Vectors and scalars, magnitude and direction of a vector.Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product of vectors.</p>	<p>To verify that angle in a semicircle is a right angle, using vector method</p>
	<p>Direction cosines and direction ratios of a line joining two points.Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines.Cartesian and vector equation of a plane.Angle between (i) two lines, (ii) two planes, (iii) a line and a plane.Distance of a point from a plane.</p>	<p>To verify that angle between two planes is the same as the angle between their normal</p>

NOV	Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints)	To minimise the cost of the food meeting the dietary requirements of the sample food of the adolescent students of your school
	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean and variance of random variable	To explain the computation of conditional probability
DEC.	REVISION & PRE-BOARD EXAMS	
JAN.	REVISION	
FEB.	REVISION	
MARCH	ANNUAL EXAMS	

CLASS XII (PHYSICS)

MONTH FOR COMPLETION	TOPIC	Practicals
APRIL	Electrostatics	1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current.
MAY-JUNE		2. To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material.
JUNE-JULY	Current Electricity :	3. To verify the laws of combination (series) of resistances using a metre bridge.
JULY	Magnetic Effect of Current and Magnetism	4. To verify the laws of combination
JULY		5. To compare the EMF of two given primary cells using potentiometer.
AUGUST	Electromagnetic Induction and Alternating Current	6. To determine the internal resistance
AUGUST		7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
SEPTEMBER	Electromagnetic Waves	8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.
SEPTEMBER		9. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.
SEPTEMBER	Optics	1. To find the value of v for different
SEPTEMBER		3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
OCTOBER	Dual Nature of Radiation and Matter	4. To find the focal length of a concave lens, using a convex lens.
OCTOBER		5. To determine angle of minimum
OCTOBER	Atoms and Nuclei	6. To determine refractive index of a glass slab using a travelling microscope.
NOVEMBER		7. To find refractive index of a liquid by using convex lens and plane mirror.
		8. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias. 9. To draw the characteristic curve of a zener diode and to determine its reverse break down voltage.

TITLE	NO OF PERIODS	WORKING DAYS	MARKS
Electrostatics	22		
Current Electricity :	20	34	15
Magnetic Effect of Current and Magnetism	22	26	
Electromagnetic Induction and Alternating Current	20		16
Electromagnetic Waves	4	24	
Optics	25	21	17
Dual Nature of Radiation and Matter	8		
Atoms and Nuclei	14	18	10
Electronic Device	15		
		20(9 working days upto 15th Nov)	7

CLASS-XII CHEMISTRY

MONTH	TOPIC	ACTIVITY
APRIL	1.SOLID STATE	
	2.SOLUTION	EXPERIMENTAL DEMONSTRATION OF COLLIGATIVE PROPERTIES
MAY	3.ELECTROCHEMISTRY	TO PREPARE GALVANIC CELL
	4.CHEMICAL KINETICS	
JULY	5.SURFACE CHEMISTRY	PREPARATION OF COLLOIDAL SOL OF STARCH
	6.GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS	TO PREPARE PROJECT REPORT ON METALLURGICAL PROCESS
	7.P-BLOCK ELEMENTS;GP-15,GP-16	
	1 st PERIODIC TEST	
AUGUST	7.P-BLOCK ELEMENTS;GP-17,GP-18	
	8.d & f-BLOCK ELEMENTS	TO PREPARE MODELS
	9.COORDINATION COMPOUNDS	
	REVISION FOR EXAM	
SEPTEMBER	10.HALOALKANES & HALOARENES	ASSEMBLE ALL PREPARATION METHOD ON CHART
	11.ALCOHAL,PHENOL & ETHERS	
	12.ALDEHYDE,KETONES,CARBOXYLIC ACID	
OCTOBER	12.ALDEHYDE,KETONES,CARBOXYLIC ACID	TO PREPARE FLOW CHART
	13.ORGANIC COMPOUNDS CONTAINING NITROGEN	TO PREPARE CHART ON NAMING REACTIONS
	2 nd PERIODIC TEST	
NOVEMBER	14.BIOMOLECULES	TESTING OF CARBOHYDRATES AND PROTIEIN
	15.POLYMERS	TO PREPARE CHART ON POLYMERS
	16.CHEMISTRY IN EVERYDAY LIFE	TO PREPARE SOAP
DECEMBER	REVISION AND PRE-BOARDEXAMS	
JAN.,FEB.	REVISION AND FINAL EXAMS	

Class XII Annual Planning of Syllabus for Session 2020-21
Subject-Biology (044)

Month	Contents	Activities/Practicals/Teaching Aids
APRIL	Chap.-1 Reproduction in organisms	Use of PPTs, and I.T,Tools,online classes
	Chap.-2 Sexual Reproduction in flowering plants	Study of floral parts,use of I.T.Tools
	Chap.-3 Reproduction in Human	
MAY	Chap.-4 Reproductive health	Use of PPTs.and I.T.Tools
	Chap.-5Principals of heredity and variations	Use of online classes
JUNE	Chap.-6 Molecular basis of inheritance	online practicals by Olabs(germination of pollen grains on slide),online classes
JULY	Chap.-7 Evolution	Use of I.T.Tools and online classes
	Chap.-8 Human health and disease	Study of pedigree analysis
AUG	Chap.-9 Stratigies for enhancement in food production	Use of PPTs.and online labs for practicals experiments on water and soil
	Chap.-10 Microbes in Human welfare	use of I.T,Tools, or white board ,study of permanent slides
Sep.	Chap.-11 Biotechnology principal and process	use of PPTs or white boards ,practicals on adaptations in plants and animals
	Chap.-12 Applications of Biotechnology	study of particulate pollutants in air
OCT.	Chap.-13 Organisms and population	study of plant population by quadrate methode
	Chap.-14 Ecosystem	
NOV.	Chap.-15 Biodiversity and conservation	use of I.T.Tools for concerened topic
	Chap.-16 Environmental issues	