

## XII - ENGLISH (CORE)

Month	Syllabus Content	Teaching Aids	Activities
April	<b>Flamingo :</b> L-1 The Last Lesson P-1 My Mother At Sixty Six <b>Vistas</b> L-1 The Tiger King <b>Novel (Silas Marner/ Invisible Man)</b> Ch- 1-3	Ref. Books, Green Board, Chalk, Duster Text Book, Dictionary, Videos, Novel	Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests
May	<b>Writing - Notices, Speech, Debate</b> <b>Flamingo :</b> L-2 Lost Spring P-2 An Elementary School Classroom in a Slum <b>Vistas</b> L-2 The Enemy <b>Novel (Silas Marner/ Invisible Man)</b> Ch-4-7	Ref. Books, Green Board, Chalk, Duster  Ref. Books, Green Board, Chalk, Duster  Ref. Books, Green Board, Chalk, Duster Ref. Books	Format & Value points to be discussed  Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests  Format & Value points to be discussed Practice & Discussion
June	<b>Reading for Comprehension</b> <b>SUMMER VACATION</b>		
July	<b>Flamingo :</b> L-3 Deep Water P-3 Keeping Quiet <b>Vistas</b> L-3 Should Wizard Hit Mommy <b>Novel (Silas Marner/ Invisible Man)</b> Ch-8-12	Ref. Books, Green Board, Chalk, Duster Text Book, Dictionary, Videos, Novel  Ref. Books, Green Board, Chalk, Duster	Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests  Format & Value Points to be discussed
<b>REVISION - Quarterly Exams</b>			
Aug.	<b>Flamingo :</b> L-4 The Rattrap  <b>Vistas</b> L-4 On The Face of it	Ref. Books, Green Board, Chalk, Duster Text Book, Dictionary, Videos	Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests

Month	Syllabus Content	Teaching Aids	Activities
August	<b>Novel (Silas Marner/ Invisible Man)</b> Ch-13-17 Note Making, Report Writing	Novel  Ref. Book	Silent Reading, Discussion & Explanation, Presentation by Students Format & Value points to be discussed
Sep.	<b>Revision &amp; Exams</b>		
Oct.	<b>Flamingo :</b> P-4 A Thing of Beauty L-5 Indigo L-6 Going Places <b>Novel (Silas Marner/ Invisible Man)</b> Ch-18-22	Ref. Books, Green Board, Chalk, Duster Text Book, Dictionary, Videos, Novel	Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests
Nov.	<b>Flamingo :</b> P-5 Aunt Jennifer's Tiger <b>Vistas</b> L-5 Evans Tries an O Level L-6 Memories of Childhood <b>Novel :</b> Ch-23-28	Ref. Books, Green Board, Chalk, Duster Text Book, Dictionary, Videos, Novel	Silent Reading, Discussion & Explanation, Presentation by Students, Pen Paper Tests
Dec.	<b>Discussion of extra questions of Novel Revision</b>	Novel	Discussion & Remediation
Jan.	<b>PRE-BOARDS</b>		
Feb.	<b>REVISION</b>		

**Question Paper Design 2018-19 Class XII**

Typology	Typology of Questions/ Learning Outcomes	MCQ 1 Mark	Very Short Answer Question (1 Mark)	Short Answer Question (3 Marks)	Short Answer Question (4 Marks)	Long Answer 1(80-100) words 5 marks	Long Answer 2(120-150) words 6 marks	Very Long Answer (150-200) words (HOTS) 10 Marks	Total Marks	Over all %
Reading Skills	Conceptual Understanding decoding, analyzing, inferring, interpreting appreciating, literary conventions and vocabulary summarising and using appropriate format/s	6	16	1		1	---	---	30	30
Writing Skills	Reasoning, appropriacy of style and tone, using appropriate format and fluency inference, analysis, evaluation and creativity,	-	-	-	1	-	1	2	30	30
Literary Text Books and Long reading text / novel	Recalling reasoning, appreciating a literary conventions inference, analysis, evaluation, creativity with fluency	-	4	4	-	-	4	-	40	40
	<b>Total</b>	6x 1 = 6	20 x 1 = 20	5x3=15	1x4=4	1x5=5	5x6=30	2x10 = 20	100	100

## Class - XII Maths

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Activity/ Practical	ASS./ W.S.	Remarks
April	22	21	II (Algebra)	Matrices	Concept, Notation, Order, Equality, Types of Matrices, zero and identity matrix, Transpose of matrix, symmetric and skew-symmetric matrices, addition, multiplication and scalar multiplication of matrices, 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. Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists.	15	Activity related to value based question	1	
				Determinant	Determinant of a square matrix (upto 3x3 matrices), properties of Determinants, Minors, Co-factors and application of determinants in finding the area of triangle, adjoint and inverse of square matrix, consistency and inconsistency of system of linear Equations by examples, solving system of linear equations in two or three variables using inverse of a matrix.	15	value based question	1	

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Teaching Aids	ASS./ W.S.	Remarks
May	16	14	I (Relation & Function)	Relations and Functions  Inverse Trigonometric function	Types of relations : Reflexive, symmetric Transitive and Equivalence relations. Functions : One to one and onto Functions, composite functions, inverse of a function, Binary Operations.  Definition, range, Domain, Principal value Branches, Graphs of Inverse Trigonometric functions, elementary properties of inverse Trigonometric functions.	10	Activity related to value based question (if any)  To draw the graph of inverse trigonometric functions	1	
<b>SUMMER VACATIONS</b>									
June									
July	18	16	V (Linear Programming)	Linear Programming  (Continuity & Differentiability)	Introduction, Definition of related terminology such as constraints, objective functions, optimization, different types of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible region, optimal feasible solutions.  Continuity & Differentiability, Derivative of composite functions, chain rule, Derivative of inverse trigonometric functions, derivative of implicit function, concept of Exponential & Logarithm function, derivative of functions expressed in parametric forms, second order derivative, Rolle's and Lagrange's mean value theorem.	8  15	Activity related to value based question  Geometric interpretation		
			III (Calculus)						

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Teaching Aids	ASS./ W.S.	Remarks
August	24	22		Application of Derivatives	Application of Derivatives : Rate of change of Bodies, increasing/ Decreasing functions, Tangents & Normals, use of Derivative in approximation, Maxima and Minima, Second Derivative test, simple problems - understanding of the subject as well as real life situation.	12	Activity related to value based question (if any)	1	
				Integration	Integration as an inverse process of differentiation, integration of a variety of functions by substitution (Contd.....	4			
<b>REVISION &amp; EXAMS (QUARTERLY)</b>									
Sept.									
Oct.	26	26	III (Calculus)	Integration	.....contd.) by partial fraction and by parts, Evaluation of simple Integrals of special type, definite integral as a limit of sum, Fundamental Theorem of Calculus, Basic properties of definite integrals and evaluation of definite integrals.	13			
				Application of Integrals	Applications in finding the area under simple curves, especially lines, Circles/ Parabolas/Ellipse, area between any of the two above said curves.	10			
				Differential Equations	Definition, order and degree, general and particular solution of a differential equation, formation of differential equation whose general solution is given, solution of differential equations of first order and first degree by method	10			

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Teaching Aids	ASS./ W.S.	Remarks
Nov	24	22	IV (Vectors & Three Differential Geometry)	Vectors	<p>of separation of variables of homogeneous differential equations, solutions of linear differential equations of different forms.</p> <p>Vector and scalars, magnitude and direction of vectors, direction ratios and direction cosines 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 a vector, multiplication of a vector by scalar, position vector of a point dividing line segment in a given ratio. Definition, properties and application of dot product of vectors, vector product of vectors, scalar triple product of vector projection of a vector projection of a vector on a line.</p>	10			
				Three Differential Geometry	<p>Direction cosines and direction ratios of a line joining two points, cartesian 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 line.</p>	13			

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Teaching Aids	ASS./ W.S.	Remarks
Dec	26	24	VI (Probability)	(Probability)	Conditional probability, multiplication theorem on probability, contd..... contd..... Independent events, total probability, Baye's Theorem, Random variable and its probability distribution, mean and variance of a random variable, Bernoulli trials and Binomial Distribution.	7 13			
<b>REVISION</b>									
Jan	13	8	<b>REVISION &amp; PRE-ANNUAL EXAM</b>						
Feb	22	20	<b>REVISION</b>						
Mar	<b>ANNUAL EXAMS</b>								

**Abbreviation : Mon=Month, WD=Working Days, TD=Teaching Day, CHP=Chapter, TPR=Teaching Period Required, ASSIGN = Assignment, Ws-Worksheet**



## XII- CHEMISTRY

Month	Topics	Teaching Aids	Activities	Practical
<b>April</b>	1. Solid State 2. Solutions 3. Electrochemistry Revision & Test	Board, Chalk, Duster Models Electrochemical cell	To prepare Models and Project reports on packing of solid	Content based Experiments-crystal, preparation of double salt, Organic preparation of iodoform and p-nitroacetanilide
<b>May</b>	4. Chemical Kinetics, 5. Surface Chemistry Revision & Test	Board, Chalk, Duster Board, Chalk, Duster Board, Chalk, Duster	To prepare a model on galvanic or daniell cell	Volumetric Analysis Redox Titrations
<b>July</b>	6. General Principals & process of isolation of elements 7. p-Block elements	Board, Chalk, Duster	To prepare Project report on colloids to prepare project report on Ellingham diagram	Inorganic Salt analysis
<b>Aug.</b>	8. d&f Block Elements 9. Co-ordination Compounds	Power Point presentation on isomerism and Bonding	To prepare models	Volumetric Analysis
<b>Sep.</b>	Revision & Exams			
<b>Oct.</b>	10. Haloalkanes & haloarenes 11. Alcohols, Phenols & ethers 12. Aldehydes	Board, Chalk, Duster Board, Chalk, Duster	To prepare models	To analyze the functional group in a given Organic compound

**Syllabus to be completed by 20th October**

**Revision and Exams**

Month	Topics	Teaching Aids	Activities	Practical
<b>Nov</b>	12. Ketones, carboxylic acids Contd. 13. Organic Compound Containing N 14. Biomolecules	Board, Chalk, Duster  Charts showing structures	To prepare modals	Inorganic salt analysis
<b>Dec.</b>	15. Polymers 16. Chemistry in everyday life	Sample of various polymers Board, Chalk, Duster	To collect samples of polymers To collect samples of medicines	

**Syllabus to be completed by December  
Revision and Exams**

**THEORY**

Total Periods (Theory 160 + Practical 60)

Time : 3 Hours

70 Marks

Unit No.	Title	No. of Periods	Marks
Unit I	Solid State	10	23
Unit II	Solutions	10	
Unit III	Electrochemistry	12	
Unit IV	Chemical Kinetics	10	
Unit V	Surface Chemistry	08	
Unit VI	General principles & Process of Isolation of Elements	08	19
Unit VII	p-Block Elements	12	
Unit VIII	d- and f-Block Elements	12	
Unit IX	Coordination Compounds	12	
Unit X	Haloalkanes and haloarenes	10	28
Unit XI	Alcohols, Phenols and Ethers	10	
Unit XII	Aldehydes, Ketones and Carboxylic Acids	10	
Unit XIII	Organic Compounds containing Nitrogen	10	
Unit XIV	Biomolecules	12	
Unit XV	Polymers	08	
Unit XVI	Chemistry in Everyday Life	06	
	<b>Total</b>	<b>160</b>	<b>70</b>

### Question Wise Break UP

Type of Question	Mark per Question	Total No. of Questions	Total Marks
VSA	1	5	05
SA-I	2	7	14
SA-II	3	12	36
LA	5	3	15
Total		27	70

1. Internal Choice : There is no overall choice in the paper. However, there is an internal choice in one question of 2 marks weightage, one question of 3 marks weightage and all the three questions of 5 marks weightage.
2. The above template is only a sample. Suitable internal variations may be made for generating similar templates keeping the overall weightage to different form of questions and typology of questions same.

### PRACTICALS

Evaluation Scheme for Examination	Marks
Volumetric Analysis	08
Salt Analysis	08
Content Based Experiment	06
Project Work	04
Class record and Viva	04
<b>Total</b>	<b>30</b>

**Question Paper Design Class - XII**

Time : 3 Hours

Max. Marks : 70

S. No.	Typology of Questions	Very Short Answer (VSA) (1 Mark)	Short Answer-I (SA-I) (2 Marks)	Short Answer-II (SA-II) (3 Marks)	Long Answer (LA) (5 Marks)	Total Marks	% Weigh-tage
1.	Remembering-(Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles, or theories, identify, define, or recite, information)	2	1	1	-	7	10%
2.	Understanding - Comprehension to be familiar with meaning and to understand conceptually interpret, compare, contrast, explain, paraphrase information)	-	2	4	1	21	30%
3.	Application (Use abstract information in concrete situation, to apply knowledge to new situations, Use given content to interpret a situation, provide an example, or solve a problem)	-	2	4	1	21	30%
4.	High Order Thinking Skills (Analysis & Synthesis- Classify, compare, contrast, or differentiate between different pieces of information, Organize and/or integrate unique pieces of information from a variety of sources)	2	-	1	1	10	14% <sup>1</sup>
5.	Evaluation -(Appraise, judge, and/or justify the value or worth of a decision or outcome, or to predict outcomes based on values)	1	2	2	-	11	16%
	<b>Total</b>	5x1=5	7x2=14	12x3=36	3x5=15	70(27)	100%

## XII- Biology

Month		Activities/Practicle
<b>April</b>	1.Reproduction in organisms 2.Sexual Reproduction in Flowering Plants 3.Human Reproduction	Activities\Practicle STUDY of Floral parts
<b>May</b>	4.Reproductive Health 5.Principles of inheritance and variations	STUDY of Pollen Germination on Slide Preparation of investigatory report
<b>July</b>	6.Molecular basis of Inheritance 7.Evolution	STUDY of Pedigree charts STUDY of PH of Water and soil STUDY of Water Holding Capacity and Rate of Percolation
<b>August</b>	8.Human Health and Diseases 9.Strategies for enhancement in Food Production  10.Microbes in Human Welfare	STUDY of Specimens and Permanent Slides STUDY of Adaptations in Plants and Animals
<b>Sept</b>	11.Biotechnology principles and Processes	
<b>Oct</b>	12.Biotechnology and Its Applications 13.Oraganisms and Population	STUDY of Population Density  STUDY of Particulate Pollutants
<b>Nov</b>	14.Ecosystem 15.Biodiversity and Conservation	
<b>Dec</b>	16.Environmental Issues	

**Biology  
Course Structure  
(THEORY)**

**Time : 3 Hours**

**Max. Marks : 70**

<b>Unit</b>	<b>Title</b>	<b>No. of Period</b>	<b>Marks</b>
6	Reproduction	30	14
7	Genetics and Evolution	40	18
8	Biology and Human Welfare	30	14
9	Biotechnology and its Applications	30	10
10	Ecology and Environment	30	14
Total		160	70

**QUESTION WISE BREAK UP**

<b>Type of Question</b>	<b>Mark(s) per Question</b>	<b>Total No. of Questions</b>	<b>Total Marks</b>
VSA	1	5	05
SA-I	2	5	10
SA-II	3	12	36
VBQ	4	1	04
LA	5	3	15
<b>TOTAL</b>		26	70

1. Internal Choice : There is No overall choice in the paper. However, there is an internal choice in one question of 2 marks weightage, one question of 3 marks weightage and one question of 5 marks weightage (Content based question).

2. The above template is only a sample. Suitable internal variations may be made for generating similar templates keeping the overall weightage to different form of questions and typology of questions same.

## बारहवीं – हिन्दी

मास	विषय वस्तु	क्रियात्मक कार्य
अप्रैल	जनसंचार व माध्यम पत्र – कार्यालयी पत्र निबंध – हमारा प्यारा भारत वर्ष कंप्यूटर आज की आवश्यकता काव्यखण्ड : 1. आत्म परिचय, एक गीत 2. पतंग 3. कविता के बहाने, बात सीधी थी पर 4. कैमरे में बंद अपाहिज 5. सहर्ष स्वीकारा है	कक्षा में ही जनसंचार माध्यमों पर आधारित प्रश्न उत्तर लिखवाए जाएंगे। निबंध कक्षा में लिखने को कहा जायेगा तथा शब्द संकेत दिए जाएंगे। ताकि विद्यार्थी स्वयं पत्र लिखने में सक्षम हो। भारत देश के संस्कृति व अनेकता में एकता के उदाहरणों पर चर्चा करते हुए निबंध लेखन हेतु प्रेरित किया जाएगा। चर्चा करने के बाद कक्षा में ही लिखेंगे। काव्य के विषय में सामान्य जानकारी देते हुए कविता पाठ के अंतर्गत काव्य सौन्दर्य तथा तदाधारित प्रश्न बनाने सिखाए जाएंगे अलंकारों से परिचित करवाया जायेगा अलंकारों की पहचान सीखकर काव्य सौन्दर्य पर नोट तैयार करेंगे। काव्य पाठ की प्रेरणा दी जाएगी कविताओं में निहित काव्य एवम् भाव सौन्दर्य पर कापियों में नोट तैयार करवाए जाएंगे। फिर प्रश्न लिखेंगे।
मई	गद्य खण्ड वितान-1 सिल्वर वैडिंग (वितान) फीचर-लेखन गद्य खण्ड – आरोह 1. भक्तितन	नई व पुरानी पीढ़ियों में वैचारिक मतभेद के कारण पर परस्पर चर्चा की जाएगी। फीचर लेखन हेतु अभिप्रेरणा की जाएगी व शब्द संकेत दिए जाएंगे। इस पाठ के माध्यम से शोषित पीड़ितों के बारे में जानकारी दी जाएगी साथ ही एक संघर्षशील स्वाभिमानी और कर्मठ जीवन जीने की कला बताई जाएगी।
जुलाई	गद्य खण्ड वितान – 1 2. जूझ आरोह – गद्य खण्ड 2. बाजार दर्शन 3. काले मेघा पानी दे 4. पहलवान की ढोलक  आलेख विषय 1. भ्रष्टाचार बेटी बचाओ बेटी पढ़ाओ	गद्य आधारित अध्याय से प्रश्न निर्माण करना लिखाया जायेगा। इस पाठ के माध्यम से बच्चों को बाजार की ताकत तथा अपनी आवश्यकताओं को ठीक-ठीक समझकर बाजार का उपयोग करना सिखाया जायेगा। पठित गद्यांश का एक अभ्यास कराया जायेगा। इस पाठ के माध्यम से अंधविश्वासों से दूर रहने तथा पानी को व्यर्थ न बहाने की प्रेरणा दी जाएगी तथा वर्षा के महत्व पर प्रकाश डाला जाएगा।  दिन प्रतिदिन बढ़ती भ्रष्टाचार जैसी कुरीतियों पर भाषण प्रतियोगिता करवाई जाएगी। लड़की लड़की एक समान विषय पर भाषण प्रतियोगिता होगी। आलेख कक्षा में कराया जाएगा तथा उसके अंगों के बारे में बताया जाएगा जैसे भूमिका, विषय का प्रतिपादन, तुलनात्मक चर्चा आदि।
अगस्त	काव्य खण्ड आरोह 6. उषा 7. बादल राग 8. गोस्वामी तुलसीदास कवितावली उतरकांड	कविता के माध्यम से प्राकृतिक सौन्दर्य बताते हुए उषाकाल के नभ के बारे में चर्चा होगी। बादलों के प्रलयकारी रूप के बारे में बताया जाएगा। तुलसीदास जी का जीवन परिचय और उनकी आर्थिक स्थिति के बारे में बताया जाएगा और राम लक्ष्मण के प्रति श्रद्धा भाव से अवगत करवाया जाएगा।

मास	विषय वस्तु	क्रियात्मक कार्य
	<p>से लक्ष्मण मूर्छा और राम का विलाप के बारे में जानकारी दी जाएगी।</p> <p>गद्यांश</p> <p>5. चार्ली चैपलिन यानी हम सब</p> <p>निबंध – मीडिया का सामाजिक दायित्व हम पढ़ेंगे हम बढ़ेंगे।</p>	<p>अपठित काव्यांश, गद्यांश, लेखन संबंधी प्रश्न एवम शीर्षक के बारे में बताया जाएगा।</p> <p>भारतीय सिनेमा जैसे आवारा, श्री 420, मेरा नाम जोकर, मिस्टर इंडिया और चार्ली के जीवन के बारे में बताया जाएगा।</p>
सितम्बर – सम्पूर्ण पाठ्यक्रम दोहराना द्वितीय परीक्षा		
अक्टूबर	<p>वितान – अतीत के दबे पाँव</p> <p>काव्य खण्ड –</p> <p>9. छोटा मेरा खेत, बगुलों के पंख</p> <p>10. गजल</p> <p>गद्य खण्ड –</p> <p>6. नमक</p> <p>आलेख लेखन – पब्लिक स्कूलों में प्रवेश की समस्या</p> <p>फीचर – स्वच्छ भारत</p>	<p>सिंधु सभ्यता की साधना सम्पन्नता सौन्दर्य बोध, बेजोड़ निकासी व्यवस्था की जानकारी दी जाएगी।</p> <p>माता-शिशु प्रेम और बचपन के बारे में बताया जाएगा। छन्दों की जानकारी दी जाएगी।</p> <p>स्वच्छ भारत एवम पब्लिक स्कूलों में प्रवेश की बढ़ती समस्याओं पर चर्चा करवाई जाएगी।</p>
नवम्बर	<p>गद्य खण्ड</p> <p>7. शिरीष के फूल</p> <p>8. श्रम विभाजन और जाति प्रथा, मेरी कल्पना का आदर्श समाज</p> <p>3. अतीत के दबे पाँव</p> <p>4. डायरी के पन्ने</p> <p>संपादक के नाम छ</p>	<p>शिरीष के फूलों और फलों में अंतर, बसंत ऋतु में वनों के सौंदर्य, नेताओं के व्यवहार की तुलना शिरीष के पौधों से क्यों की गई? इस विषय पर चर्चा करवाई जाएगी व गद्यांश संबंधी प्रश्नोत्तरों का अभ्यास करवाया जाएगा।</p> <p>जाति प्रथा श्रम विभाजन पर चर्चा की जाएगी।</p> <p>गद्यांश संबंधी प्रश्नों का अभ्यास करवाया जाएगा।</p> <p>मूल्य पर प्रश्न करवाए जाएंगे।</p> <p>संपादक के नाम पत्रों का अभ्यास करवाया जाएगा।</p>
दिसम्बर, जनवरी में दोहराई कार्य करवाया जाएगा		



## XII - Geography

Month	Topic	Teaching Aid
<b>April</b>	Part-A Unit-I L-1 Human Geo. Unit-II L-2 The World Population L-3 Population Composition L-4 Human Development	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>May</b>	Part-B Unit-I L-1 Population L-2 Migration L-3 Human Development	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>July</b>	Part-A Unit-3 L-5 Primary Activities L-6 Secondary Activities L-7 Tertiary and Quaternary Activities Climate	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>August</b>	Part-A Unit-4 L-8 Transport and Communication Part-B L-4 Human Settlements L-5 Land Resources and Agriculture	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>September</b>	Part-B L-6 Water Resources L-7 Minerals and Energy Resources L-8 Manufacturing Industries	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>October</b>	<b>Examination</b>	

Month	Topic	Teaching Aid
<b>November</b>	Part-A L-9 International Trade L-10 Human Settlements Part-B L-9 Planning and Sustainable Development	Text Book, Chalk, Black Board, Duster, Map, Smart Board
<b>December</b>	Part-B L-10 Transport and Communication L-11 International Trade L-12 Geographical Perspective on Selected Issues and Problems	Text Book, Chalk, Black Board, Duster, Map, Smart Board

<b>January</b>	<b>Revision and Pre-Board Examination</b>
----------------	---

--

## Class - XII Political Science

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Activity/Practicals	Remarks
April	22	21		The Cold War Era	Cuban Missile Crises, Cold War, Challenges to Bipolarity, Nioo, India and Cold War	10		
			The End of Bipolarity	What was the Soviet Union, Why it Distingerate, Shock Therapy and Its consequences, India Relation with Russia				
			Us Hegemony in World Politics	Operation Desert Storm, Infinite Reach, Iraq Freedom, Iraq Invasion, us as hard, soft, structural power, Indias relation with USA	11	Assignment on Powers of USA		
May	16	14		Alternative Centres of Power	EU, China, Asean India Relation with China	7	Assignment on Indo-Chino relation	
<b>Summer Vacation</b>								
July	18	17		Contemporary South Asia	What is South Asia, Political career of Pakistan, Bangladesh Nepal, Sri Lanka, India Pakistan conflict, India relation with its neighbours	6		
<b>Revision &amp; Exams (Quarterly)</b>								
August	24	22		International Organisation	Introduction, Reforms in UNO, Structure, Jurisdiction, India and the UNO and Branches of UNO	7		
					Security in Contemporary World	Introduction of security traditional and non traditional nations, new threats, India security strategy	7	

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Activity/Practicals	Remarks
				Environment & Natural Resources	Environment concerns in World Politics, Protection of Global commons, common but differentiate responsibility, Indias stand on environment issue, resources Geo-politics	8	Assignment on Environment Problems	
Sep	26	26		Globalisation	Concept and its causes, Political, Economic and cultural consequences, India resistance to Globalisation	5		
				Challenge of Nation Building	Three challenges, partition process and consequences, integration of princely states and reorganisation of states	6	Assignment on partition consequences	
				Era of one party Dominance	Congress dominance in first three general election, nature of congress dominance, emergence of opposition party.	6		
				Politics of planned Development	Planning, first five year plan, rapid industrialisation, key controversy, major outcomes and land reforms, Green Revolution	7		
<b>Revision &amp; Exams</b>								
Oct.	22	20						
Nov.	24	22		India External Relation	Policy of NAM, peace and conflict with China, wars and peace with Pakistan, India Nuclear Policy.	4		
				Challenge to & Restoration of Congress System	Fourth general election, non congression, defection, split in congress, President Election of 1969, Election of 1971 and Restoration of Congress System	6	Assignment on First Four General Election	

MONTH	WD	T.D	UNITS	CHP./ Topic	Contents with Sub Topics	TPA	Activity/Practicals	Remarks
				The crisis of democratic order	Gujarat and Bihar movement, conflict with Judiciary, Declaration of Emergency, controversy regarding emergency, lesson of emergency	6		
				Rise of popular movement	Chipko movement, Dalit Panthers, Bhartiya Kisan Union, Anti-Arrack movement, Narmada Da Bachao Andolan, lessons of popular movement			
Dec	26	24		Regional Aspiration	Issues of Jammu and Kashmir, Punjab, and North East, Accommodation and National Integration	7		
				Recent development in Indian Politics	Era of coalition, political rise of OBC, Commulism, Secularism, Democracy, Ayodhya Dispute, emergence of new consensus		Assignment on current Babri Masjid issue	Election
<b>Revision</b>								
<b>Revision &amp; Pre-Annual Exam</b>								
Jan	13	8						
<b>Revision</b>								
Feb	22	20						
<b>Annual Exam</b>								
Mar								
<b>Abbreviation : Mon=Month, WD=Working Days, TD=Teaching Day, CHP=Chapter, TPR=Teaching Period Required, ASSIGN=Assignment, WS=Worksheet</b>								

Exam Dates	Exams	CHAPTERS	Syllabus covered
July End	I	<ol style="list-style-type: none"> <li>1. The Cold War era</li> <li>2. The end of Bipolarity</li> <li>3. US Hegemony in World Politics</li> <li>4. Alternative Centres of Power</li> <li>5. Contemporary South Asia</li> </ol>	30%
Oct End	II	<ol style="list-style-type: none"> <li>1. The Cold War Era</li> <li>2. Contemporary South Asia</li> <li>3. International Organisation</li> <li>4. Security in Contemporary World</li> <li>5. Environment and Natural Resources</li> <li>6. Globalisation</li> <li>7. Challenge of Nation Building</li> <li>8. Era of One Party Dominance</li> </ol>	40%
Jan (3rd Week)	III	<ol style="list-style-type: none"> <li>1. The Cold War Era</li> <li>2. The End of Bipolarity</li> <li>3. US Hegemony in World Politics</li> <li>4. Alternative centres of Power</li> <li>5. Contemporary South Asia</li> <li>6. International Organisation</li> <li>7. Security in contemporary world</li> <li>8. Environment and Natural Resources</li> <li>9. Globalisation</li> <li>10. Challenge of Nation Building</li> <li>11. Era of one party dominance</li> <li>12. Politics of Planned Development</li> <li>13. India External Relation</li> <li>14. Challenge to and Restoration of Congress System</li> <li>15. The Crisis of Democratic Order</li> <li>16. Rise of Popular Movement</li> <li>17. Regional Aspiration</li> <li>18. Recent Development in Indian Politics</li> </ol>	30%

## XII - PHYSICS

Month I Term	Topic	Teaching Aids	Activities	Practicals
April	Unit-1 Electrostatics  Unit-2 Current Electricity (Contd.)	Battery cell ammeter, voltmeter, Meter bridge, potentometer	Knowledge regarding the electrical devices and their uses in electrical circuit.	Based on Ohm's Law. meter bridge
May	Unit-2 current Electricity  Unit-3 Magnetic effects of current & magnetism (Contd.)	Different type of magnets  and magnetic substances	To show magnetic behavior of different magnetic material differentiate between temporary and permanent magnets	Determination of resistance of a galvanometer
July	Unit - 3 Magnetism  Unit - 4 EMI & AC	Coil and magnet, model of generator and transformer	Demonstration of production of current by changing flux.	To determine the frequency of a.c. mains.
August	Unit-5 E M wave  Unit-6 Ray Optics and Optical Instruments	Mirror, lens, prism, glass, slab and other optical instruments.  Telescope, Microscope, Lenses	To understand the construction and working of generator and transformer.  Use of lens and mirror to illustrate different nature of images	Practical related to Mirror & Lense
Sept.	<b>Revision and Exams</b>			
Oct.	Unit-6 Wave optics	Single slit, laser light, double slit, polaroids	To show the phenomenon of diffraction, interference and polarisation	

October	Unit-7 Dual nature of matter and radiation			
Nov.	Unit-8 Atom & Nuclei Unit-9 Semiconducting devices	Diodes, transistor, integrated Circuits, etc.	Identification of different electronic component	Based on semiconducting devices.
Dec.	Unit-10 Communication System	Sound System, telephone, modem, computer		Revision of practicals

**December : Revision and Exams**  
**A Class test will be conducted by teacher after the completion of each unit**

### QUESTIONS WISE BREAK UP

Type of Question(s)	Mark(s) per Question	Total No. of Questions	Total Marks
VSA	1	5	05
SA-I	2	7	14
SA-II	3	12	36
LA	5	3	15
<b>Total</b>		<b>27</b>	<b>70</b>

- Internal Choice : There is no overall choice in the paper. However, there is an internal Choice in one question of 2 marks weightage, One question of 3 marks weightage and in all the three questions of 5 marks weightage.
- The above template is only a sample. Suitable internal variations may be made for generating similar templates keeping the overall weightage to different form of questions and typology of questions same.



**Question Paper Design 2018-19**  
**Class XII**  
**Physics Code No. - 042**

**Time : 3 Hours**

**Max Marks : 70**

S.No.	Typology of Question	Very Short Answer (VSA) 1 Marks	Short Answer 1 (SA-1) 2 Marks	Short Answer 1 (SA-2) 3 Marks	Long Answer (LA) 5 Marks	Total Marks	% Weightage
1	<b>Remembering</b> (Knowledge based simple recall questions, to know specific facts, terms, concepts, principles, or, theories ; Identity, define or recite, information)	2	1	1	-	7	10%
2	<b>Understanding</b> - (Comprehension, to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase or interpret information)	-	2	4	1	21	30%
3	<b>Application</b> (Use abstract information in concrete situation to apply knowledge to new situations. Use given content to interpret a situation, provide an example, or solve a problem)	-	2	4	1	21	30%
4	<b>High Order Thinking Skills</b> (Analysis & Synthesis Classify, compare, contrast or differentiate between different pieces of information ; Organize and / or integrate unique pieces of information from a variety of sources)	2	-	1	1	10	14%
5	<b>Evaluation and Multi-Creating Evaluation and Multi Disciplinary</b> Appraise, Judge, and / or justify for the value or worth of a decision or outcome, or to predict outcomes based on values)	1	2	2	-	11	16%
<b>Total</b>		5x1=5	7x2=14	12x3=36	3x5=15	70(27)	100%

## Class-XII (2018-19) Physics (Theory)

		No. of Periods	Marks
<b>Unit-I</b>	<b>Electrostatics</b> Ch-1 Electric Charges and fields Ch-2 Electrostatic Potential and Capacitance	22	15
<b>Unit-II</b>	<b>Current Electricity</b> Ch-3 Current Electricity	20	
<b>Unit-III</b>	<b>Magnetic Effects of Current and Magnetism</b> Ch-4 Moving Charges and Magnetism Ch-5 Magnetism and Matter	22	16
<b>Unit-IV</b>	<b>Electromagnetic Induction and Alternating Currents</b> Ch-6 Electromagnetic Induction Ch-7 Alternating Current	20	
<b>Unit-V</b>	<b>Electromagnetic Waves</b> Ch-8 Electromagnetic Waves	04	17
<b>Unit-VI</b>	<b>Optics</b> Ch-9 Ray Optics and Optical Instruments Ch-10 Wave Optics	25	
<b>Unit-VII</b>	<b>Dual Nature of Radiation and Matter</b> Ch-11 Dual Nature of Radiation and Matter	08	10
<b>Unit-VIII</b>	<b>Atoms and Nuclei</b> Ch-12 Atoms Ch-13 Nuclei	14	
<b>Unit-IX</b>	<b>Electronic Devices</b> Ch-14 Semiconductor Electronics : Materials, Devices and Simple Circuits	15	12
<b>Unit-X</b>	<b>Communication Systems</b> Ch-15 Communication System	10	
	Total	160	70

## PHYSICS PRACTICAL

Every student will be perform 15 experiments (7 from Section A & from Section B) during the academic year. One project of 3 marks is to be carried out by students.

### Evaluation Scheme for Practical Examinations :

	Marks
1. Two experiments one from each section	8+8
2. Practical record (experiments & activities)	6
3. Project	3
4. Viva on experiments & activities	5
<b>Total</b>	<b>30</b>

## LIST OF PHYSICS EXPERIMENT

### EXPERIMENTS

1. To find resistance of a given wire using metre bridge & hence determine the specific resistance of its material.
2. To determine resistance per cm of a given wire by plotting a graph of potential difference versus current.
3. To verify the laws of combination (series / parallel) of resistances using a metre bridge.
4. To compare the emf of two given primary cell using potentiometer.
5. To determine the internal resistance of given primary cells using potentiometer.
6. To determine resistances of a galvanometer by half-deflection method & to find its figure of merit.
7. To find the frequency of the a.c. mains with a sonometer.

### Section - B

8. To find the value of  $v$  for different values of  $u$  in case of a concave mirror & to find the focal length.
9. To find the focal length of a convex lens by plotting graphs between  $u$  &  $v$  or between  $1/u$  &  $1/v$
10. To find the focal length of a convex mirror using a convex lens.
11. To find focal length of a concave lens using convex lens.
12. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
13. To find refractive index of a liquid using Concave mirror
14. To draw the I-v characteristic curve of a p-n junction in forward bias & reverse bias.
15. To draw the characteristic curve of a Zener diode & to determine its reverse break down voltage.

## XII - PHYSICAL EDUCATION

Month	Topic	Teaching Aids	Activities
April	1. Planning in sports	Prepare a chart of different committees of sports tournament Inspirations Video Clips of different Sports Personalities	Collect a data Revision & Test  Maintain record of different successful Cricket Captains & class test
May	2. Sports and Nutrition  3. Yoga A Lifestyle	Show Food Charts for different age groups persons.	Make list of different food stuffs which a person takes in a day
July	4. Physical Education & Sports for Differently Abled	Show Video Clips of some Deformed Posture.	Note down seating, lying and standing postures of their family members & class tests

### REVISION & EXAMS

August	5. Children and Sports	Show a chart of children of different stages of growth.	Analysis different activities of children & class test
	6. Women & Sports	Show inspirational videos of successful women in Sports	Write down a note on any successful women who faced different obstacles in his sports career & class tests
	7. Test and Measurement in Sports	Show measurement equipments which were used in the field of sports	Prepare a test to evaluate different qualities of a fit person.
Sep.	8. Physiology & Sports	Show them the results of performances on the basis of gender	Observe & note down changes which come in our body during exercise.
	9. Sports Medicine	Show difficulties which were faced by the Sports persons after injury.	Make a list of different injuries which were observed on field during sports activities.

### OCTOBER - REVISION & EXAMS

Month	Topic	Teaching Aids	Activities
Nov.	10. Kineriology, Biomechanics & Sports	Show different types of Model of Lever	Note down the different angles which were opt by human body during running and walking, Throwing
	11. Psychology & Sports	Tell a story of any person who legs behind in his field due to psychological problems	Observe difficulties which students feel during exams and sports performace & class test
Dec.	12. Training in Sports	Show a video clip	Group Discussion to evaluate different qualities of fitness.

## DECEMBER - REVISION & EXAMS

	<b>Practical</b>	<b>Marks</b>
1.	Physial Fitness - AAHPER	10
2.	Skill of any one Team Game of choice from the given file	10
3.	VIVA	05
4.	Record File	05

\* Athletics, Basketball, Football, Handball, Hockey, Kho-Kho, Rifle Shooting, Unifiel Basketball (Differently Abled Children) Volleyball)

\* Record File shall include :

### **Practical :**

1. Modified AAHPER Test for all items.
2. Conduct Barrow 3 items test on 10 students.
3. Procedure for Asanas, Benifits, Contrainclication for any two Asanas each lifestyle disease.
4. Procedure for administering senior citizen fitness test for 5 elderly family members.
5. Any one game of your choice out of the list above, labelled diagram of field, equipment ruler, terminologies & skill.

### Blue Print

<b>Content Unit</b>	<b>LA</b>	<b>SA</b>	<b>VSA</b>	<b>No of Questions</b>	<b>Total Marks</b>
I	-	1	1	2	4
II	-	1	1	2	4
III	-	1	1	2	4
IV	-	2	1	3	7
V	2	1	1	4	14
VI	1	-	-	1	5
VII	1	-	2	3	7
VIII	-	1	-	1	3
IX	1	-	1	2	6
X	1	-	1	2	6
XI	1	-	-	1	5
XII	-	1	2	3	5

## XII - Business Studies

### Teaching and Activities

### Project Work

Month	Time	Teaching Aids	Activities	Project Work
April	Nature & Significance management  2. Principles of Management  3. Business Environment	Black Board, Chalk Duster  Text Book, Black Board, Chalk, Duster	To study the nature of management its principles and environments  (Revision & Test)	-  To make project on principles of management  To make project on Business environment
May  July	4. Planning 5. Organising 5. Organising (Cont.) 6. Staffing	Black Board, Chalk Duster	To study the meaning & process of planning and organising To study the meaning & process of staffing and elements of directing	-
<b>Revision and Exams</b>				
August	7. Directing  8. Controlling	Black Board, Chalk Duster	To Study the concept & Role of Controlling	-  -
Sept.	<b>Revision &amp; Test</b>			
Oct.  Nov.	9. Financial Manangement  10. Financial Market	Black Board, Chalk Duster	To Study the role of financial management & capital Market & Money Market	To make the Project on Stock Exchange Capital Market  To make the project on marketing management and its mixes.
<b>Syllabus Completed upto 20 Oct.      Revision and Exam</b>				
	11. Marketing  12. Consumer Protection	Black Board, Chalk Duster  Black Board, Chalk Duster	To study the various activities included in marketing	

**XII - Business Studies (Code 054)****One Paper****100 Marks.****3 Hrs.**

<b>Month</b>	<b>Topic</b>	<b>Marks Annual</b>
<b>March/ April</b>	1. Nature & Significance of Management 2. Principles of Management 3. Business Environment	<b>16</b>
<b>May</b>	4. Planning 5. Organising	<b>14</b>
<b>July</b>	5. Organising 6. Staffing	
<b>August</b>	7. Directing 8. Controlling	<b>20</b>
<b>Sept.</b>	<b>Half Yearly Exams</b>	
<b>Oct.</b>	9. Financial Management	<b>15</b>
<b>Nov.</b>	10. Financial Market 11. Marketing	<b>15</b>
<b>Dec.</b>	12. Consumer Protection 13. Project Work	<b>20</b>
	<b>Total</b>	<b>100</b>
<b>Project Work on Business Studies (Any One)</b>		
April 1	Project on Principles of Management	
May 2	Project on Business Environment	
Oct. 3	Project on Stock Exchange	
Nov. 4.	Project on Marketing Management	



**Question Paper Design 2017-18 Class XII**  
**Business Studies Code No. - 054**

Time : 3 Hours

Marks : 80

S.No.	Typology of Question	Learning outcomes and testing skills	Very Short Answer VSA 1Marks	Short Answer (SA-I) 3 Marks	Short Answer (SA-II) 4 Marks	Long Answer (LA) 5 Marks	Essay Type (6 Marks)	Total Marks	Weight-age %
1	<b>Remembering</b> (Knowledge based simple recall questions, to know specific facts, terms, concepts, principles, or, theories ; Identity, define or recite, information)	Reasoning Analytical Skill Critical Skills	2	1	1	1	-	14	17%
2	<b>Understanding</b> - (Comprehension, to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase or interpret information)		2	2	1	-	1	18	23%
3	<b>Application</b> (Use abstract information in concrete situation to apply knowledge to new situations. Use given content to interpret a situation, provide an example, or solve a problem)		2	1	1	1	1	20	25%
4	<b>High Order Thinking Skills</b> (Analysis & Synthesis Classify, compare, contrast or differentiate between different pieces of information ; Organize and / or integrate unique pieces of information from a variety of sources)		2	1	2	-	1	19	24%
5	<b>Evaluation and Multi-Creating Evaluation and Multi Disciplinary</b> Appraise, Judge, and / or justify for the value or worth of a decision or outcome, or to predict outcomes based on values)		-	-	1 (value based)	1	-	09	11%
<b>Total - 2 Project (10 marks each ) 20</b>									<b>100%</b>
									<b>80 (25 Project 20)</b>
									<b>3x6=18</b>
									<b>3x5=15</b>
									<b>6x4=24</b>
									<b>5x3=15</b>
									<b>8x1=8</b>

## Class : XII - INFORMATICS PRACTICES (065)

Month	Topic	Teaching Aids	Activities
<b>April</b>	<b>Unit-I</b> Networking and Open Standard 1. Computer Networking 2. Open Source Concepts	Chalk , Black Board, Computer, Projector	Revision of Net Beans Java Applications & Theoretical Test
<b>May</b>	<b>Unit-2 - GUI Programming</b> 3. GUI Programming Review		
<b>July</b>	4. Basics of Object Oriented Programming 5. Advanced Programming Concepts		Object Oriented Programming Practical
<b>August</b>	6. Database Conectivity 7. Web Applications	Computer, Projector	Revision & Test

### September - Revision & Exams

<b>Oct.</b>	<b>Unit - 3 RDBMS</b> 8. My SQL Revision & SQ: 9. More on Database & Concepts	Chalk, black Board, Computer, Projector	My SQL Commands Practical Revision & Test
<b>Nov.</b>	10. Advanced RDBMS Concepts 11. IT Applications		

### December - Revision & Exams

### Question Paper Design Class-XII (2018-19)

S.No.	Topology of Questions	Very Short Answer (VSA) (1 Mark)	Short Answer-I (SA-I) (2 Marks)	Short Answer-II (SA-II) (4 Marks)	Long Answer (L.A) (6 Marks)	Total Marks	% Weightage
1	Knowledge Based	4	3	2	-	18	25.7
2	Conceptual Understanding	4	5	1	-	18	25.7
3	Reasoning Based	4	-	2	1	18	25.7
4	Skill Based	-	1	2	1	16	22.9
	<b>Total Marks</b>	<b>12</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>70(30)</b>	<b>100</b>

1. No chapter wise weightage. Care to be taken to cover all the chapters.
2. The above template is only a sample. Suitable internal variation may be made for generating similar templates keeping the overall weightage to different from of questions and topology of questions same.
3. Question may be case based requiring problem solving skills.
4. LA Questions may be case-based requiring problem-finding and problem-solving skills.

## XII - Accountancy

Month	Topics	Teaching Aids	Activities
<b>April</b>	Financial Statement of not for profit organisation	Black Board, Chalk Duster	To study the presentation of Balance Sheet as per company Act 1956.
	Accounts for partnership firms (1)	Black Board, Chalk, Duster	To study the cash flow statement As per. AS-3
<b>May</b>	Reconstitution of Partnership Firm (Admission)	Black Board, Chalk Duster Black Board, Chalk Duster	To prepare the project file To study the fundamental study of partnership firm
<b>July</b>	Reconstitution (Retirement & death of Partner)	Black Board, Chalk Duster	To study the process of reconstitution of firm.
	Dissolution of Partnership Firm	Black Board, Chalk Duster	To study the process of reconstitution of firm.
<b>August</b>	Accounting for share Capital Accounting For Issue of Debenture	Black Board, Chalk Duster etc.	To study the Accounting treatment of issue of debenture in the accounting

**Sept.**

**Revision and Exam**

**Oct.**

Accounting for Redemption of Debenture (Contd.)

Black Board, Chalk Duster etc.

To study the Accounting Redemption of Debenture

Analysis of Financial Statements

**Nov.**

Cash flow Statements

Project work

**December - Revision & Exams**

### Question Wise Breakup

S.No	Form of Questions	Marks for Each Questions	No. of Questions	Total Marks
1	Very Short Answer Type	1	08	08
2	Short Answer - I	3	04	12
3	Short Answer - II	4	05	20
4	Long Answer - I	6	04	24
5	Long Answer - II	8	02	16
<b>Total</b>			<b>23</b>	<b>80</b>

### Accountancy

Month	Topic	Marks Half Yearly	Total Marks
<b>Part-A</b> Accounting for Partnership and Companies	Financial Statement for NPM		10
	1. Accounting for Partnership Firm	45	35
<b>Part-B</b> Financial Statement Analysis	2. Accounting for Share & debentures. (companies)	15	15
	3. Analysis of Financial Statement	12	12
	4. Cash flow statement Project Work	08	08
	Comprehensive and Specific I & II	20	20
<b>Total</b>	<b>Total</b>	<b>100</b>	<b>100</b>

## Class XII - Music Vocal (034)

Month	Topics	Teaching Aids	Activities
April	Practical Raag Bhairav, Any 10 Alankaar Theory Life sketch of Bade Gulam Ali Khan, Varna, description of Rag. Bharirav, Pt. Krishan Rao. Shankar	Harmonium, Tabla, Tanpura, Chalk Duster & Board	Prepare file of Raag Bhairev with their drut khyal, write any to Alankar in the file
May	Practical Taal Rupak with hand beats Theory Gram, Works of Pt. Bhat khande, Gamak Alankar	Harmonium & Electronic Tabla Sangeet Shiksha	Make a chart of Taal Rupak & Ektaal or description
July	Practical Rag Bhimplasi, Taal Tilwara with hand beats Theory Description of Taal, Laya, & its kinds, Time Theory of Ragas	Harmonium & Electronic Tabla Chalk Board, Duster, Sangeet Shiksha	Make a chart of Raag Bihag & Bhairav with Aaroh, Avroh, Pakad & Bandish of Drut Khyal
August	Practical Rag Bageshree, Taal Dhamar with hand beats Theory Taal, Dhamar, Sangeet Ratnakar	Harmonium & Electronic Tabla Sangeet Shiksha	Prepare file of Raag Bihag & Bhairav & its description with drut khyal & all talab like Ektaal, Dhamar & Rupak (Ekgun, Dugun ) with Description.
<b>September - Revision - I Term Exams</b>			
October	Practical Taal Tilwada (Ekgun, Dugun, with hand beats rag Malkauns, with Aaroh, Avroh, Pakad Theory Classification of Raga's Sangeet Parijat Ragas & Talas description Ustad Abdul Karim Khan	Harmonium Elect. Tabla	Prepare File of Tala's of your syllabus with their Ekgun & dugun

Month	Topics	Teaching Aids	Activities
Nov.	<p>Practical TaalJhaptaal (Ekgun, dugun) with hand beats,</p> <p>Theory Ustad Faiyaaz Khan, Meend, Khatka, Murki, Kan, Murchhana, Ability to recognize the swara's of different Raga's</p>	<p>Sangeet Shiksha Harmonium Elect. Tabla</p>	<p>Prepare file &amp; Chart of Raga's of your syllabus with their Drut Khyal &amp; Description also.</p>

**December - Revision - Exams**

**Marks : 30**

- 1. Ist Term :** Definitions - Gram , Varna , Alankar, Taal, .
- Biography : Bade Gulam, Ali Khan, Pt. Krishan Rao Shankar, Ustad Faiyaaj Khan ustad Abdul Karim Khan.
- Time Theory of Raagas.
- Granth Parichaya - Sangeet-Ratnakar, Sangeet Parijat.
- Khyal : Raag Bhairav, Bageshri.
- Taal : Taal Rupak, Ektal, Dhamar, Tilwada, Jhup Taal
- Swarmalika in each Rag, One Tarana.

**Marks : 30**

**IInd Term**

- Definitions - Murchhana, Murki, Khatka, Kan, Murki, Garaam, Varna, Gamak, Laya, Taal, Alankaar.
- Biography : Ustad, Abdul Karim Khan, Ustad Faiyaaz Khan, bade, Gulam Ali Khan. Pt. Krishan Rao Shankar.
- Classification of Ragas.
- Ragas : Rag Malkauns, Bhimplasi.
- Vilambit Khyal in Any Rag & One Tarana in any Rag.
- Taal Rupak, Taal Tilwada, Taal, Dhamar, Ektaal, Jhaptal with Ekgun & Dugun.
- Granth Parichay : Sangeet - Ratnakar, Sangeet, Parijata

**Design of Questions Paper**

S.No.	Form of Questions	No. of Questions	Marks of Questions	Total Marks	Length of Ans in Words.	Expected Time
1	L.A.	5	6	30	100	3 hrs.

## Class : XII - Economics

Month	Topic	Teaching Aids	Activities
<b>Part-A Introductory Micro Economics</b>			
<b>April</b>	1. Introduction	Chalk, Duster Black Board	To study central problems of the economy
	2. Consumer Equilibrium & demand	Chalk , Duster and Black Board	To study the different methods of measuring elasticity of demand
<b>May</b>	3. Producer behaviour and Theory of Cost	Chalk, Black Board, Duster	To study the production function and determinants of supply
<b>July</b>	Concept of Revenue, Producer's Equilibrium	Chalk, Black Board, Duster	
<b>August</b>	4. Theory of Supply and Forms of Market and price Determination under perfect Competition with simple application	Chalk, Black Board, Duster	To study the different forms of market to effect of govt. intervention in market. Emerging Modles of Business
<b>Sept. Revision and Exams</b>			
<b>Oct.</b>	Part B Macro Economics 5. National Income and Related aggregates 6. Money and Banking	Chalk, Duster Black Board	To Study the different methods of measuring natural income To understand the process of money creation
<b>Nov.</b>	7. Determination of Income and Employment	Chalk , Duster and Black Board	To study the determination of income & employment
<b>Dec.</b>	8. Govt. Budget and the economy Revision and Test 9. Balance of Payments Revision and Test	Chalk, Duster Black Board  Chalk , Duster and Black Board	To study the impact of budget deficit on the economy  To study the determinants of exchange rate in a free market.
<b>Revision and Exams</b>			

**Economics XII****Question Paper Design (2018-19)****Marks : 80****Duration : 3 Hr.**

<b>S. No.</b>	<b>Typology of Questions</b>	<b>Very Short Answer/ MCQ 1 Marks</b>	<b>Short Answer II 3 Marks</b>	<b>Short Answer I 4 Marks</b>	<b>Long Answer 6 Marks</b>	<b>Marks</b>	<b>%</b>
1	Remembering - (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles, or theories, identify, define, or recite, information)	2	-	2	2	22	27%
2	Understanding - (Comprehension - to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	2	1	2	1	19	24%
3	Application (Use abstract information in concrete situation, to apply knowledge to new situations, use given content to interpret a situation, provide an example, or solve a problem)	2	1	1	1	15	19%
4	High Order Thinking skills (Analysis & Synthesis - Classify, Compare, Contrast, or Differentiate between different pieces of information, organize and/or integrate unique pieces of information from a variety of sources)	1	1	1	1	14	17%
5	Evaluation and Multi-Disciplinary - (Appraise, Judge, and/or Justify the value or worth of a decision or outcome, or to predict outcomes based on values)	1	1	-	1	10	13%
<b>Total</b>		<b>8x1=8</b>	<b>4x3=12</b>	<b>6x4=24</b>	<b>6x6=36</b>	<b>80 (24)</b>	<b>100%</b>

Note : There will be Internal Choice in questions of 3 marks, 4 marks and 6 marks in both sections (A and B). (Total 3 internal choices in section A and total 3 internal choices in Section B).



## Economics (2017-18)

**Theory : 80 Marks**

**Project : 20 Marks**

<b>Units</b>		<b>Marks</b>	<b>Periods</b>
<b>Part A</b>	<b>Introductory Microeconomics</b>		
	Introduction	4	8
	Consumer's Equilibrium and Demand	13	32
	Producer Behavior and Supply	13	32
	Forms of Market and Price Determination under perfect competition with simple applications	10	28
		40	100
<b>Part B</b>	<b>Introductory Macroeconomics</b>		
	National Income and Related Aggregates	10	28
	Money and Banking	6	15
	Determination on Income and Employment	12	27
	Government Budget and the Economy	6	15
	Balance of Payments	6	15
		40	100
<b>Part C</b>	<b>Project Work</b>	20	20

