



## Monthwise Syllabus Teaching Plan (2023-24)

**Class- XII**

**Subject: Accountancy**

**Code: 903**

Month	Subject- content	Teaching Periods	Revision Periods
April	<b><u>PART A</u></b> <b>ACCOUNTING FOR PARTNERSHIP FIRMS AND COMPANIES.</b> Chapter 1- Accounting for partnership firms – Basic Concepts	16	03
May	Chapter 2-Reconstitution of Partnership Firm -Change In Profit Sharing Ratio amongst the existing Partners	10	03
	– Admission of a Partner	14	03
June	Summer Vacation and The chapters taught earlier should be given as homework for revision.		
July	Chapter 3 Reconstitution of a partnership Firm -Retirement /Death of a Partner.	20	04
August	Chapter4 – Dissolution of Partnership Firm	22	04
	Chapter5	12	03

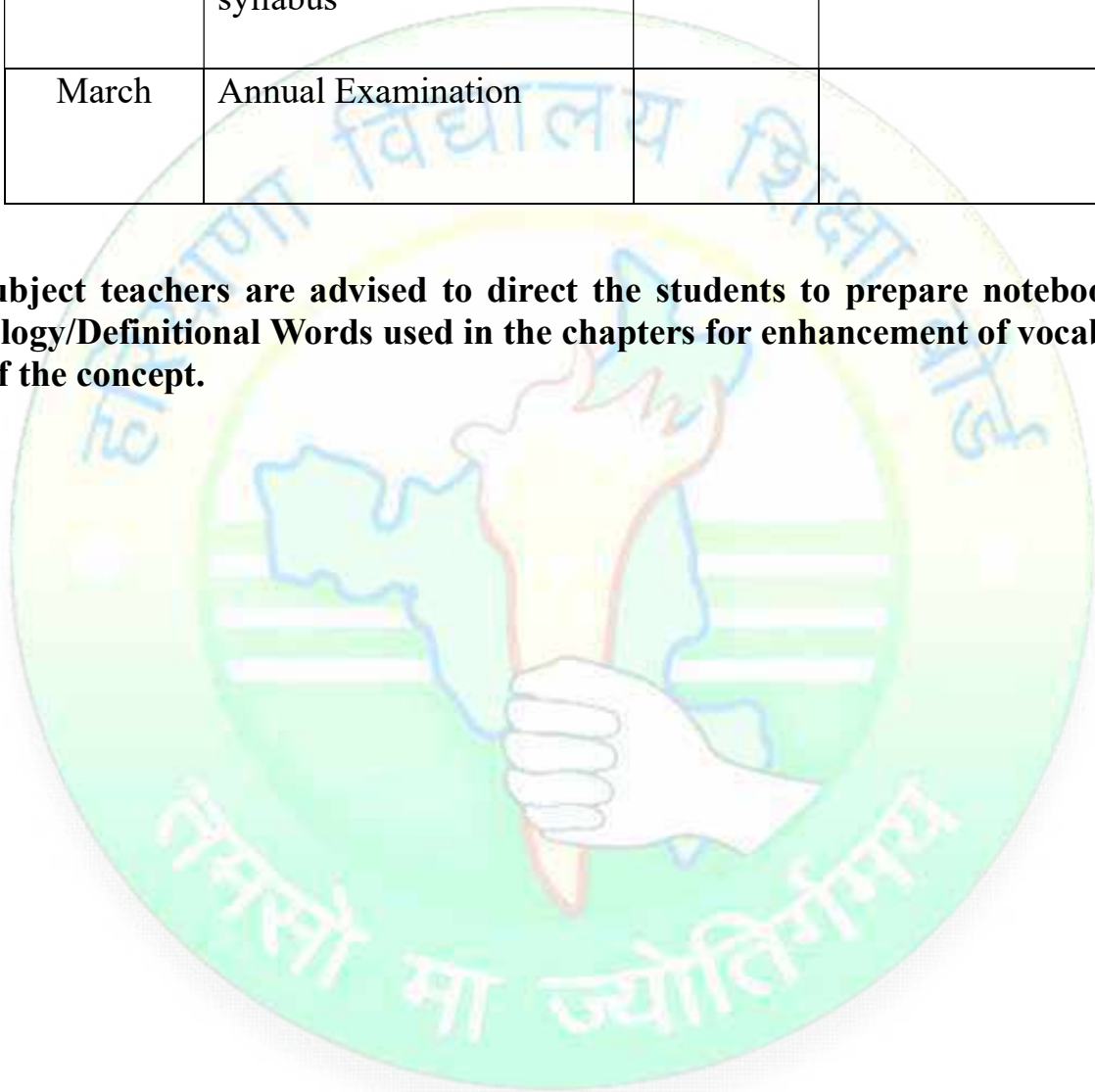


	- Accounting for Share Capital		
September	Chapter 5 – Accounting for share Capital (Cont.)  Revision for Half-Yearly Exam  Half-Yearly Exam	12	03
October	Chapter 6 – Issue of Debentures.	20	06
November	<b><u>PART B</u></b> <b>ANALYSIS OF FINANCIAL STATEMENTS</b> Chapter 7 – Financial statements of Company  <b>OR</b> <b><u>PART B- COMPUTISED ACCOUNTING</u></b> Chapter-Overview of computerised accounting system Chapter- Accounting Application of Electronic Spreadsheet	06  06  10	02  02  02
December	Chapter 8– Accounting Ratio.  Chapter 9– Cash Flow Statement	10  18  18	02  04  04



	<b>OR</b> Using computerized accounting system		
January	Project work submission		
February	Revision for whole syllabus		
March	Annual Examination		

**Note:** Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.





## **Practicals:**

### **A. List of Experiments**

1. Prepare a temporary mount to observe pollen germination.
2. Study the plant population density by quadrat method.
3. Study the plant population frequency by quadrat method.
4. Prepare a temporary mount of onion root tip to study mitosis.
5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.

### **B. Study and observe the following (Spotting):**

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
8. Controlled pollination - emasculation, tagging and bagging.
9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
10. Models specimen showing symbiotic association in root modules of leguminous plants, Cuscuta on host, lichens.
11. Flash cards models showing examples of homologous and analogous organs.



## Month wise Syllabus Teaching Plan (2023-24)

**Class-XII**

**Subject- Biology**

**Code: 865**

Month	Chapter No./ Subject content	Teaching Periods (for theory)	Revision Periods	Teaching Periods (for Practical)
April	Chapter-1: Sexual Reproduction in Flowering Plants	12	03	08
	Chapter-2: Human Reproduction	07		
May	Chapter-3: Reproductive Health	11	02	06
June	<b>Summer Vacations: Investigatory Project in Biology</b>			
July	Chapter-4: Principles of Inheritance and Variation	12	04	12
	Chapter-5: Molecular Basis of Inheritance	13		
August	Chapter-6: Evolution	10	04	12
	Chapter-7: Human health and Diseases	08		
September	Chapter-8: Microbes in Human Welfare	08	10	05
	Half yearly examination			
October	Chapter-9: Biotechnology: Principles and processes	13	04	12
	Chapter-10: Biotechnology and its Applications	10		



November	Chapter-10: Biotechnology and its Applications (Remaining content) Chapter-11: Organisms and Populations	11	02	06
December	Chapter-12: Ecosystem	12	03	05
January	Chapter-13: Biodiversity and Conservation	08	03	05
February	Revision			
March	Annual Examination			

### Month wise Practical Syllabus

**Note:** In the following, month wise scheme letter 'A' and 'B' represent Part A (Experiments) and Part B (Spotting) respectively.

#### April:

A1: Prepare a temporary mount to observe pollen germination.

B1: Flowers adapted to pollination by different agencies (wind, insects, birds).

B2: Pollen germination on stigma through a permanent slide or scanning electron micrograph.

#### May

B3: Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).

B4: Meiosis in onion bud cell or grasshopper testis through permanent slides.

B5: T.S. of blastula through permanent slides (Mammalian).

#### June

Investigatory Project

#### July

B6: Mendelian inheritance using seeds of different colour/sizes of any plant.



## Monthwise Syllabus Teaching Plan (2023-24)

**Class-XII**

**Subject: Business Studies**

**Code: 900**

Month	Subject- content	Teaching Periods	Revision Periods
April	<b>UNIT 1:</b> Nature & Significance of Management 1.1 Management an Introduction 1.2 Nature of Management 1.3 Levels of Management 1.4 Functions of Management 1.5 Co-ordination	10	4
	<b>UNIT 2:</b> 2.1 Principles of Scientific Management	4	2
May	<b>UNIT 2:</b> 2.2 Principles of Management	4	2
	<b>UNIT 3:</b> Business Environment	8	2
	<b>UNIT 4:</b> 3.1 Planning 3.2 Types of Plan	12	4



June	Summer Vacations: Revision (Holidays' Homework)		
July	UNIT 5: 5.1 Organising 5.2 Organisation Structure 5.3 Delegation & Decentralisation	16	4
August	UNIT 6: Staffing 6.1 Staffing: Meaning & Importance 6.2 Recruitment 6.3 Selection 6.4 Training & Development UNIT 7: Directing 7.1 Directing: Importance & Principles 7.2 Supervision 7.3 Motivation	14      6	4      2
September	UNIT 7: Directing 7.4 Leadership 7.5 Communication UNIT 8: Controlling Revision & Half yearly Exams	6   10	2   2





October	UNIT 9: Business Finance 9.1 Financial Management 9.2 Financial Decisions 9.3 Financial Planning 9.4 Capital Structure 9.5 Fixed & Working Capital UNIT 10: Marketing & Marketing Mix 10.1 Marketing	16      4	5      2
November	UNIT 10: Marketing & Marketing Mix 10.2 Marketing Mix 10.3 Product Mix 10.4 Price Mix 10.5 Promotion Mix 10.5.1 Advertising 10.5.2 Personal Selling 10.5.3 Sales Promotion	14	4
December	UNIT 10: Marketing & Marketing Mix 10.6 Place Mix 10.6.1 Channels of Distribution 10.6.2 Physical Distribution UNIT 11: Consumer Protection 11.1 Consumer Protection An Introduction 11.2 Consumer Protection Act, 1986 Submission of Project	6       10	2       4
January	Submission of Project Work		



February	Revision		
March	Annual Examination		

**NOTE:** Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.

**Prescribed Books:**

1. Business Studies-I , Class XII, BSEH Publication (© NCERT)
2. Business Studies-II , Class XII, Publication: (© NCERT)
3. Consumer Protection Act,1986

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9.8 Physical Properties

9.9 Chemical Reactions

9.10 Importance of Diazonium Salts in Synthesis of Aromatic Compounds

## **Unit 10 Biomolecules**

10.1 Carbohydrates: Classification of Carbohydrates, Monosaccharides, Glucose, Fructose, Disaccharides, Polysaccharides, Importance of Carbohydrates.

10.2 Proteins: Amino Acids, Classification of Amino Acid, Structure of Proteins,

10.3 Enzymes: Mechanism of Enzyme Action.

10.4 Vitamins: Classification of Vitamins

10.5 Nucleic Acids: Chemical Composition of Nucleic Acid, Structure of Nucleic Acid, Biological Functions of Nucleic Acids,

10.6 Hormone Elementary idea (excluding structure)

## **SYLLABUS OF PRACTICAL**

Micro-chemical methods are available for several of practical experiments. Wherever possible, such techniques should be used.

### **A. Surface Chemistry: -**

(a) Preparation of one lyophilic and one lyophobic sol: -

Lyophilic sol - starch, egg albumin and gum

Lyophobic sol - aluminium hydroxide, ferric hydroxide, arsenous sulphide.

(b) Dialysis of sol-prepared in (a) above.

(c) Study of the role of emulsifying agents in stabilizing the emulsion of different oils

### **B. Chemical Kinetics:-**

(a) Effect of concentration and temperature on the rate of reaction



between Sodium thiosulphate and Hydrochloric acid.

(b) Study of reaction rates of any one of the following:

(i) Reaction of Iodide ion with Hydrogen Peroxide at room temperature using different concentrations of Iodide ions.

(ii) Reaction between Potassium Iodate, ( $\text{KIO}_3$ ) and Sodium Sulphite: ( $\text{Na}_2\text{SO}_3$ ) using starch solution as an indicator (clock reaction).

### **C. Thermochemistry: -**

Any one of the following experiments

(a) Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate.

(b) Enthalpy of neutralization of strong acid (HCl) and strong base (NaOH).

(c) Determination of enthalpy change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

### **D. Electrochemistry: -**

Variation of cell potential in  $\text{Zn}/\text{Zn}^{2+} \parallel \text{Cu}^{2+}/\text{Cu}$  with change in concentration of electrolytes ( $\text{CuSO}_4$ , or  $\text{ZnSO}_4$ ) at room temperature.

### **E. Chromatography: -**

(a) Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of  $R_f$  values.

(b) Separation of constituents present in an inorganic mixture containing two cations only (constituents having large difference in  $R_f$  values to be provided).

### **F. Preparation of Inorganic Compounds:-**

Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum.  
Preparation of Potassium Ferric Oxalate.

### **G. Preparation of Organic Compounds:-**

Preparation of any one of the following compounds:

(i) Acetanilide ii) Di-benzalAcetone iii) p-Nitroacetanilide



iv) Aniline yellow 2-Naphthol Aniline dye.

### H. Tests for the functional groups present in organic compounds:

Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.

### I. Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs.

### J. Determination of concentration/ molarity of $\text{KMnO}_4$ solution by titrating it against a standard solution of:

(a) Oxalic acid,

(b) Ferrous Ammonium Sulphate.

(Students will be required to prepare standard solutions by weighing themselves).

### K. Qualitative analysis: -

Determination of one anion and one cation in a given salt:

**Cation:**  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{As}^{3+}$ ,  $\text{Al}^{3+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Mn}^{2+}$ ,  $\text{Zn}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{Ca}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Ba}^{2+}$ ,  $\text{Mg}^{2+}$ ,  $\text{NH}_4^+$

**Anions:**

$(\text{CO}_3)^{2-}$ ,  $\text{S}^{2-}$ ,  $(\text{SO}_3)^{2-}$ ,  $(\text{NO}_2)^-$ ,  $(\text{SO}_4)^{2-}$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $(\text{PO}_4)^{3-}$ ,  $(\text{C}_2\text{O}_4)^{2-}$ ,  $\text{CH}_3\text{COO}^-$ ,  $\text{NO}_3^-$

(Note: Insoluble salts excluded)

### INVESTIGATORY PROJECT

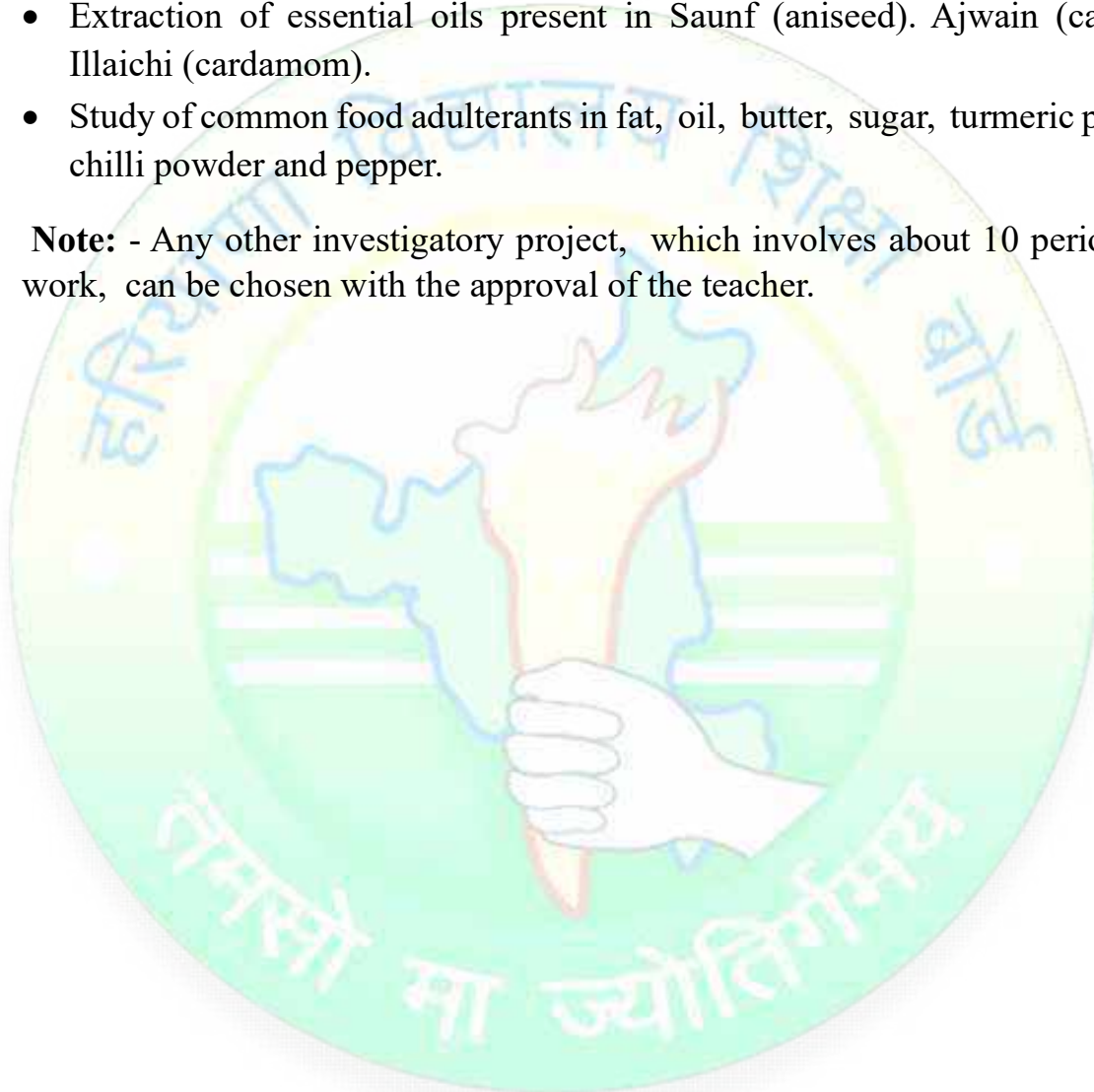
Scientific investigations involving laboratory testing and collecting from other sources a few suggested Projects:-

- Study of the presence of oxalate ions in guava fruit at different stages of ripening.
- Study the quantity of casein present in different samples of milk.
- Preparation of soybean milk and its comparison with natural milk with respect to curd formation, the effect of temperature, etc.



- Study of the effect of Potassium Bisulphate as a food preservative under various conditions (temperature, concentration, time, etc.)
- Study of digestion of starch by salivary amylase and effect of pH and temperature.
- Comparative study of the rate of fermentation of the following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
- Extraction of essential oils present in Saunf (aniseed). Ajwain (carum), Illaichi (cardamom).
- Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chilli powder and pepper.

**Note:** - Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.





## Month wise syllabus distribution for the session 2023-24

CLASS – 12<sup>th</sup>

Subject: - CHEMISTRY

Subject Code: - 856

Month	Chapter / Topic	Teaching Periods	Revision periods	Practicals & periods
April	Unit 1: Solutions	16	4	A (8)
May	Unit 2: Electro Chemistry	18	5	B (8) C (6)
June	Summer Vacations : - Investigatory Projects should be given during the summer vacations			
July	Unit 3: Chemical Kinetics	15	4	D (7) E (7)
August	Unit 4: d & f Block Elements	18	5	F (7) G (7)
September	Unit 5: Co-ordination Compounds	18	4	H (8)
	Half Yearly Exams			
October	Unit 6: Halo Alkanes & Halo Arenes	14	4	I (10)
	Unit 7: Alcohols , Phenols and Ethers	10	3	
November	Unit 7: Contd. Ethers	5	2	J (10)
	Unit 8: Aldehydes, Ketones and Carboxylic Acids	17	4	
December	Unit 9: Amines	13	3	K (10)
	Unit 10: Biomolecules	17	4	
January	Revision			
February	Revision	--	--	--



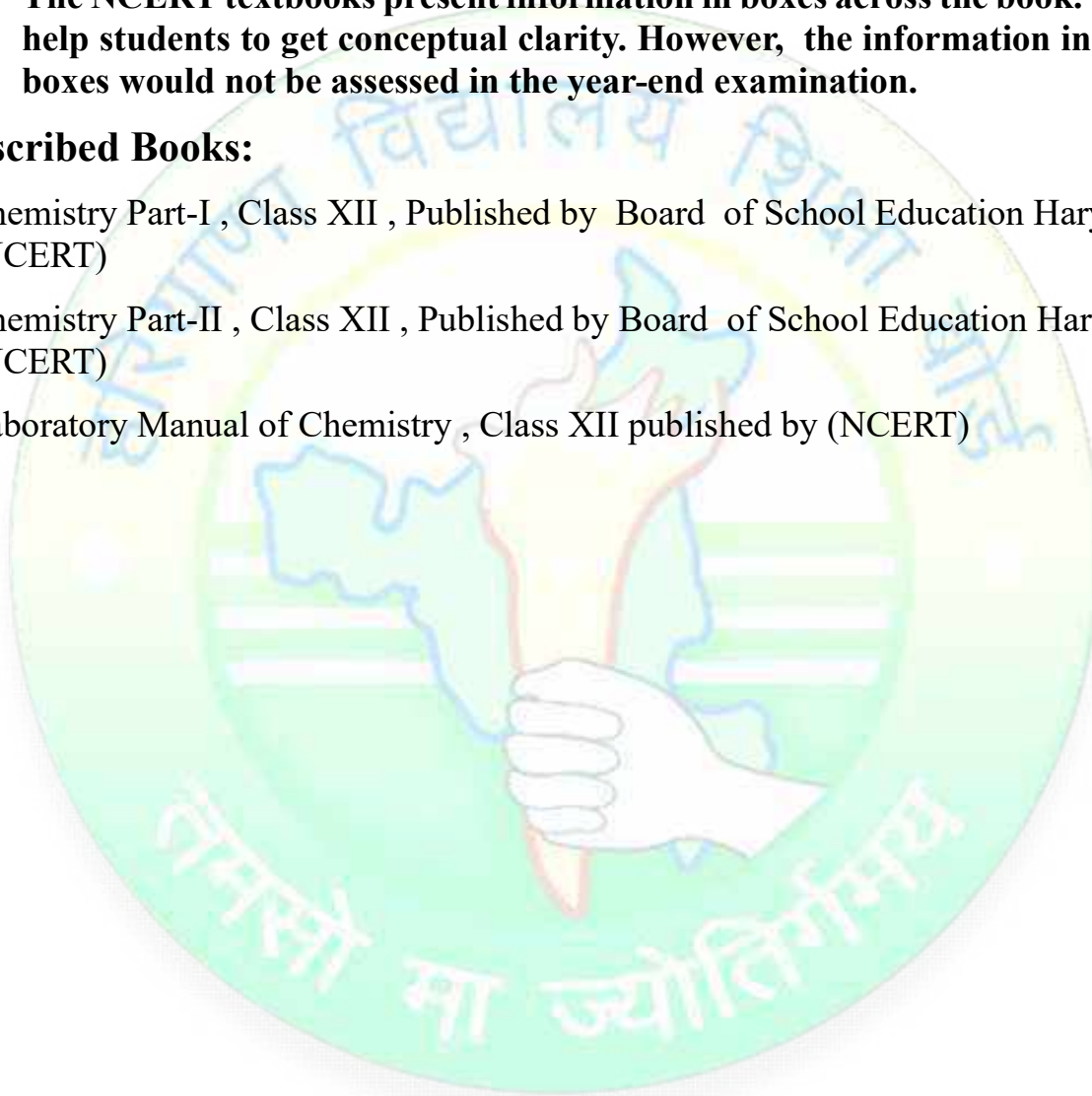
<b>March</b>	Annual Exams	--	--	--
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**Note:**

- **Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary for clarity of the concept.**
- **The NCERT textbooks present information in boxes across the book. These help students to get conceptual clarity. However, the information in these boxes would not be assessed in the year-end examination.**

**Prescribed Books:**

1. Chemistry Part-I , Class XII , Published by Board of School Education Haryana (© NCERT)
2. Chemistry Part-II , Class XII , Published by Board of School Education Haryana (© NCERT)
3. Laboratory Manual of Chemistry , Class XII published by (NCERT)







## Monthwise Syllabus Teaching Plan (2023-24)

**Class-XII**

**Subject: Computer Science**

**Code: 906**

Month	Subject- content	Teaching Periods	Revision Periods	Practical Work
April	<b>Programming in C++</b> Review of topics covered in C++ of XI Class Structure	12	3	8
May	Class & Objects Friend function	13	4	8
June	Summer Vacations Project/Activity/Revision Work			
July	Constructor & Destructor Inheritance	15	4	7
August	<b>Data Structure through C++ :</b> Introduction to Data Structure Stack	12	4	9
September	Linear Queue Array sorting <b>Half Yearly Exams</b>	8	12	4
October	<b>Database &amp; SQL commands:</b> Introduction to Database, Normalization Introduction to SQL	15	4	6
November	Various Commands in SQL: DDL,DML,SQL Clauses, SQL Functions	12	4	5



	<b>Software Engineering:</b> SDLC Testing			
December	<b>Web Designing using HTML:</b> HTML & Basic tags in HTML  <b>Computer Network and Internet:</b> Introduction to Computer Network  Network Model and protocols	13	4	7
January	<b>Internet and Web Technologies</b>	5	2	-
February	Revision	-	-	-
March	Annual Examination	-	-	-

**Note:**

- For month wise topic details please refer to “Detailed Syllabus for Session 2023-24”.
- Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in different Units for enhancement of vocabulary or clarity of the concept.

**Suggested practical list**

1. WAP in C++ to print “HELLO COMPUTER SCIENCE”.
2. WAP in C++ to add two numbers provided by user.
3. WAP in C++ to get Area & Circumference of circle.
4. WAP in C++ to check any number Even or Odd.



5. WAP in C++ to check whether given number is palindrome or not.
6. WAP in C++ to pass structure members to function.
7. WAP in C++ to create class & its objects.
8. WAP in C++ to exhibit the use of Scope resolution operator.
9. WAP in C++ to show functioning of friend function.
10. WAP in C++ for single inheritance.
11. WAP in C++ for multilevel inheritance.
12. Write SQL Command for creating a Database.
13. Write SQL Command for creating a table in a database.
14. Write SQL Command for deleting a table.
15. Write SQL Command for inserting records in a table.
16. Write SQL Command for retrieving certain records from a table.
17. Write a simple demo program using HTML.
18. Write an HTML code for making text bold italic & underline.
19. Write an HTML code for paragraph alignment.
20. Write an HTML code for Headings. (<h1> to <h6>)
21. Write an HTML code to insert image.
22. Write an HTML code for adding Hyperlink in webpage.
23. Write an HTML code to show text or picture in motion.

**Prescribed Books:**

1. Information Technology and Computer Science (HARTRON)



## Monthwise Syllabus Teaching Plan (2023-24)

**Class- XII**

**Subject: Economics**

**Code: 576**

Month	Subject- content	Teaching Periods	Revision Periods
April	Microeconomics Consumer Behaviour	20	2
May	Demand Analysis Production Function and Costs	12 7	2 2
June	<b>Summer Vacation</b> Holiday Homework (Revision of Microeconomics, Consumer Behaviour, Demand Analysis, Production Function and Costs) (Preparation of project on any one of the suggested topic)		
July	Production Function and Costs Profit Maximisation & Supply Curve	10 4	2 2
August	Profit Maximisation & Supply Curve	20	2
September	Market Equilibrium <b>Half Yearly Exam</b>	8	2
October	National Income and Basic Concepts	20	4
November	Money and Banking  Determination of Income	10  10	2  2
December	Government Budget Open Economy and Macroeconomics	10  8	2  2
January	Revision of Syllabus		
February	Revision		



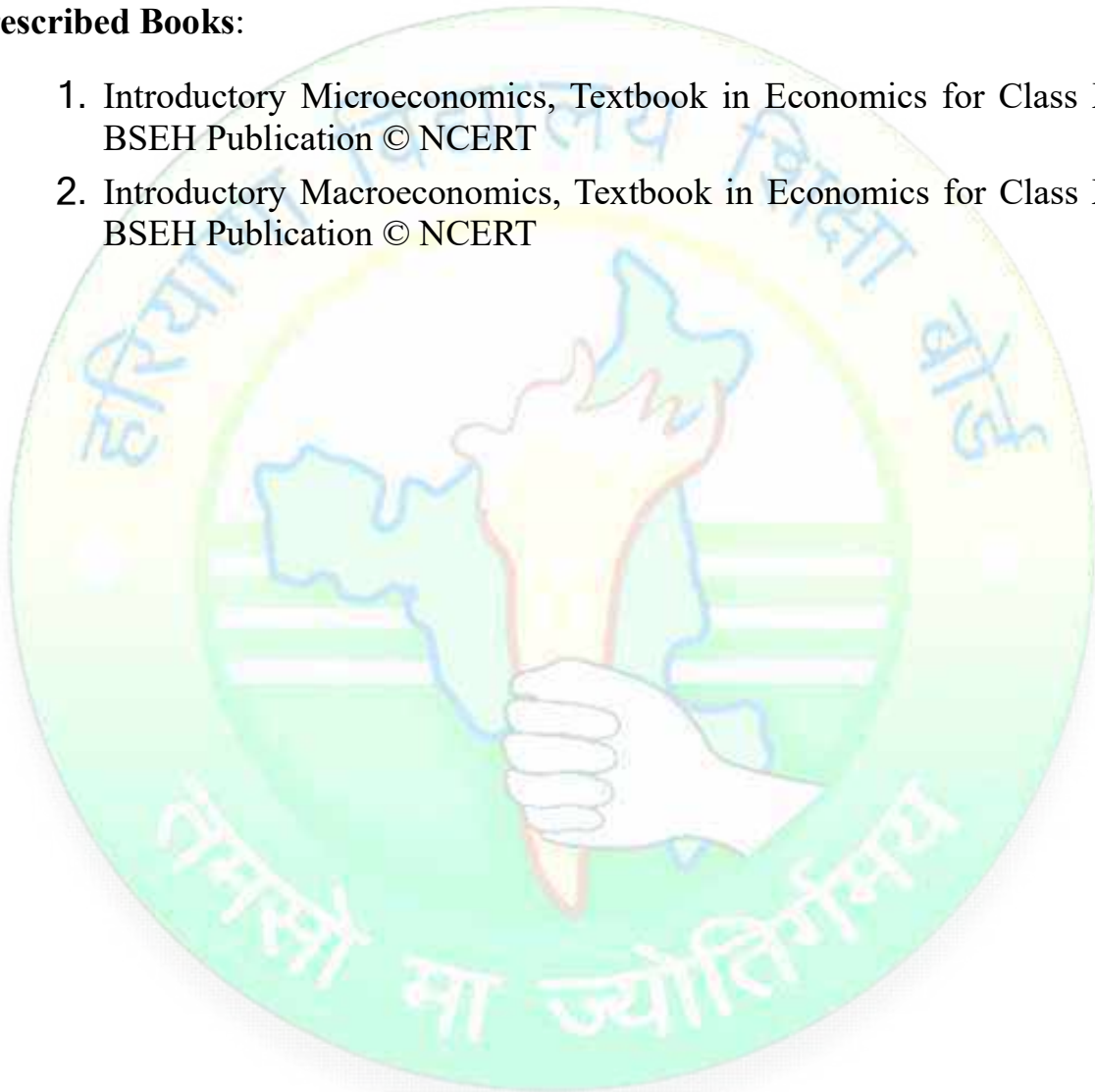
March	Annual Exam		
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**Note:**

- **Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.**

**Prescribed Books:**

1. Introductory Microeconomics, Textbook in Economics for Class XII  
BSEH Publication © NCERT
2. Introductory Macroeconomics, Textbook in Economics for Class XII  
BSEH Publication © NCERT





## Month-wise Syllabus

CLASS: 12<sup>th</sup>

Subject: English (Core)

Code: 501

Month	Name of Books / Skills	Name of Units/Chapters	Activities suggested	Teaching Periods	Revision Periods
April		Introduction	Students must be made familiar with the two textbooks prescribed by BSEH, Exam pattern, Marking Scheme, Question Paper Design, word limit, weightage of each section etc.	01	
	Flamingo (Prose)	The Last Lesson	<ol style="list-style-type: none"> <li>1. Dramatization/role play by students based on the lesson.</li> <li>2. Teaching with map as given in the text making students understand the war like situation between neighboring countries.</li> <li>3. Discussion / Debate on Linguistic Chauvinism v/s Linguistic Pride.</li> </ol>	05	01
	Flamingo (Poetry)	My Mother at Sixty-Six	<ol style="list-style-type: none"> <li>1. Reading aloud helps understanding and pronunciation specifying figures of speech throughout the poem such as simile, personification, alliteration etc.</li> <li>2. Ask students to write</li> </ol>	04	01



			<p>about their feeling about their own old age grandmother /grandfather/relatives /neighbours etc.</p> <p>3. Discuss/debate on 'Problems of old age'.</p>		
Vistas	The Third Level	<p>1. Students may enact the roles of Charley and Sam.</p> <p>2. Give examples of underground trains coming out at different stations such as metro train.</p> <p>3. Imagine and write Charley's reply to Sam's letter.</p> <p>4. Discuss/debate on 'Escapism'.</p>	05	01	
Writing Skills	Notice Writing	<p>1. Divide the class into groups and ask students to work on first draft of Notices in appropriate format on different events e.g. Annual Day, Singing Competition, Rangoli, tour, cultural activities etc. to be organized in school.</p>	04		
Grammar	Tense	<p>1. A recapitulation of tenses in detail through bilingual method.</p> <p>2. Notes on tenses (Fill</p>	04	01	



			<p>in the blanks with suitable forms of verbs) must be provided to the students.</p> <p>3. Provide exercise on tenses from text of various chapters.</p>		
May	Flamingo (Prose)	Lost Spring	<p>1. Show a documentary to the students on child labour and slum areas and ask them to present their views in the form of an article.</p> <p>2. Talking to the rag pickers and writing experiences (by the students as well as the teachers).</p> <p>3. Pasting such pictures/photos from newspapers and magazines (<b>Project work</b>).</p>	05	1
	Flamingo (Poem)	Keeping Quiet	<p>1. Write an article on the benefits of introspection.</p> <p>2. Discussion/debate – ‘Peace of mind leads to success.’</p> <p>3. Read aloud and summarize your views on keeping quite.</p>	04	1
	Vistas	The Tiger King	<p>1. Ask students to dramatize the story or play the roles.</p> <p>2. Write a letter to the Editor on increasing</p>	04	1





			<p>cruelty to animals requesting the authorities to prohibit animal use/abuse in circus/movies.</p> <ol style="list-style-type: none"><li>Students must be told the difference between killing animals and bringing them up.</li><li>What would happen if the king had not killed even a single tiger?</li><li>Discuss/debate - Killing Tigers by the King, a wisdom or foolishness.</li></ol>		
Grammar	Active and Passive Voice		<ol style="list-style-type: none"><li>For making the base of Active and Passive Voice student may be asked to revise tenses.</li><li>Make the students differentiate between transitive and intransitive verbs.</li><li>Supply with tense wise rules of Active and Passive Voice and other essential rules.</li><li>Make the students aware, why future continuous and all perfect continuous can't be changed into passive voice.</li></ol>	04	01



	Reading Skills	Unseen Passage Comprehension (Case Based Passage)	<ol style="list-style-type: none"> <li>1. Take passages from the book “Flamingo” and frame questions.</li> <li>2. Take some Literary /Factual /Discursive passages from newspapers and read them comprehensively for a better understanding of the comprehension passage.</li> <li>3. Suitable passages will be given for practice from the text book chapters, newspapers for practice of MCQs / Objective type questions.</li> </ol>	03	
	Writing Skills	Letter Writing Application for jobs letter to Editor	<ol style="list-style-type: none"> <li>1. Students must write their own Bio-Data under the guidance of teachers.</li> <li>2. A variety of questions on vacancies may be given to the students for applying against different jobs /vacant posts.</li> </ol>	03	
<b>June</b>	<b>SUMMER VACATION</b> <b>Note: - Project Work will be assigned to the students</b>				
<b>July</b>	Flamingo (Prose)	Deep Water	<ol style="list-style-type: none"> <li>1. One’s own experience of fear from water or swimming.</li> <li>2. Debate/discussion on – Determination</li> </ol>	05	2



			<p>leads to success.</p> <p>3. Speaking activity- How I overcame my fear of.....</p> <p>4. Pen down a few learning outcomes from the story.</p> <p>5. How can we apply same approach in our day-to-day life.</p>		
Vistas	Journey to the End of the Earth	<p>1. With the help of a Map, make students familiar with the environmental conditions of Antarctica.</p> <p>2. Discuss/debate current environmental problems – causes and solution.</p> <p>3. Write an article enumerating your own experiences of a hilly area.</p> <p>4. Ask the students to write an article/letter to the editor on the major environmental issues highlighted in the lesson.</p>	05	2	
Grammar	Change the narration direct/indirect	<p>1. A few sentences from speeches may be taken and taught to convert them in indirect speech.</p> <p>2. Find out the direct sentences spoken by different characters</p>	06	01	



			<p>in the chapters of Flamingo and Vistas.</p> <p>3. Provide notes on rules of narration.</p>		
	Writing Skills	Advertisement	<ol style="list-style-type: none"> <li>1. Make the students practice the format of advertisements.</li> <li>2. Find out and learn to write advertisement from the newspapers, posters and pamphlets.</li> <li>3. Collect and paste in file (<b>project work</b>).</li> <li>4. Draft advertisement on different topics given by the teacher.</li> </ol>	04	
	Reading Skills	Unseen Passage Comprehension	<ol style="list-style-type: none"> <li>1. Sample Passages from previous years' question papers, newspapers, magazines etc. may be taken.</li> <li>2. Passages from text books, from the chapters covered till now.</li> </ol>	03	
<b>August</b>	Flamingo (Prose)	The Rattrap	<ol style="list-style-type: none"> <li>1. Play the story on mobile/LED and write in your own words.</li> <li>2. Motivate the students to dramatize the story through short video/clips in groups.</li> <li>3. Write an article on 'Kindness wins all vices.'</li> <li>4. Write some points of</li> </ol>	05	1



			differences among all the major characters.		
Flamingo (Poetry)	A Thing of Beauty		<ol style="list-style-type: none"> <li>1. Reading the poem aloud with correct pronunciation and finding out a few difficult word meanings.</li> <li>2. Find/explore figures of speech/literary devices used in the poem.</li> <li>3. Make a list of beautiful things around you, cut and paste beautiful pictures in the file <b>(project work)</b>.</li> </ol>	03	1
Vistas	The Enemy		<ol style="list-style-type: none"> <li>1. Write characteristics of the main characters such as Sadao, Hana &amp; General Takima.</li> <li>2. Discuss/debate on 'Duty Vs. Patriotism'.</li> <li>3. Different scenes from the story may be enacted by students in groups/pairs.</li> </ol>	06	1
Grammar	Modals		<ol style="list-style-type: none"> <li>1. Make the students differentiate between primary auxiliaries and modal auxiliaries.</li> <li>2. An extensive usage of modal exercises will</li> </ol>	05	



			<p>make the students familiar with the mood of the sentences.</p> <p>3. Students must be made familiar with specific modals and conditions such as possibility, ability, remote possibility, past habit, suggestions, compulsion, necessity, obligation, future sense etc.</p>		
Writing Skills	Report Writing		<p>1. Discuss the format of report writing, its content and expression.</p> <p>2. Find small reports/incidents/ events from newspaper and paste them in project file (<b>project work</b>).</p> <p>3. Write report on any of the incident/event held in your school for your school magazine.</p>	03	
Reading Skills	Unseen Passage Comprehension - Case-Based Passages		<p>1. Take a few passages from newspapers/ magazines and frame questions.</p> <p>2. Enhance the reading skills of students by providing passages from video clipping and sending them on</p>	03	



			<p>What's app group.</p> <p>3. Give any passage randomly and let the students frame questions.</p>		
<b>September</b>	Flamingo (Prose)	Indigo	<ol style="list-style-type: none"> <li>1. Read and enlist Mahatma Gandhi's main movements.</li> <li>2. Enlist the people who work for the community such as Raj Kumar Sukla and Mahatma Gandhi.</li> <li>3. A few videos on freedom moment may be shown to the students related to the indigo movement in Champaran.</li> <li>4. Enumerate the contribution of Raj Kumar Sukla in comparison to Mahatma Gandhi.</li> </ol>	06	1
	Flamingo (Poetry)	A Road side Stand	<ol style="list-style-type: none"> <li>1. Students may be asked to enrich their vocabulary by finding out difficult words from the poems.</li> <li>2. Discuss/debate on the life style of village people who depend on earning from a Roadside Stand.</li> <li>3. Activity – Talk to some owner of a roadside stand and write your own</li> </ol>	03	1



			experiences.		
Grammar	Articles		<ol style="list-style-type: none"><li>1. Students should be made familiarize with the vowel and consonant sounds.</li><li>2. A few rules of general / specific cases be taught with special emphasis on omission of articles.</li><li>3. Students may be asked to use articles 'A, An, The' in the blanks before single words.</li></ol>	04	01
Reading Skills	Passages from the above taught chapters		<ol style="list-style-type: none"><li>1. Give a few passages to the students for framing questions on them and answering them.</li></ol>	03	
Writing Skills			<ol style="list-style-type: none"><li>1. Write in your own words your visit to the fields.</li><li>2. Write in your experiences of a roadside stand.</li></ol>	04	
Half Yearly Examination					





<b>October</b>	Flamingo (Prose)	Poets and Pancakes	<ol style="list-style-type: none"><li>1. Students must try to explore the relationship between poets and pancakes through internet.</li><li>2. Play a few videos of ancient Indian cinema to clear the background of the chapter.</li><li>3. Enumerate the difference between old and new cinema technology.</li><li>4. Discuss on character delineations of versatile personalities like Subbu.</li></ol>	06	01
	Flamingo (Poetry)	Aunt Jennifer's Tigers	<ol style="list-style-type: none"><li>1. The poem has been set in an Indian scenario. Ask the students to relate it with rural and urban life of married woman.</li><li>2. Read the poem aloud with rhyme and rhythm and pay attention to difficult words.</li><li>3. Discussion/debate on- 'Domestic violence'</li><li>4. Differentiate – Permanent and transient world in</li></ol>	03	1



			relation to the poem.		
Vistas	On The Face of It		<ol style="list-style-type: none"><li>1. Make students enact the play in classroom for better understanding of gestures and emotions.</li><li>2. Develop a conversation between you and a handicapped person.</li><li>3. Discuss/debate on counselling/ conversation is the best remedy for any disease/ depression/ psychological disorder.</li><li>4. How do the students observe the general attitude of the people towards the disabled persons.</li></ol>	06	1
Grammar	Revision of Tenses		<ol style="list-style-type: none"><li>1. Problems in dealing with 'tenses' will be analyzed on the basis of performance of SAT – Exams.</li><li>2. Practice will be given to the students with the help of Worksheets.</li><li>3. Quiz may be organized to create interest of the students and make the teaching and learning process</li></ol>	03	



			interactive and interesting.		
	Writing Skills	Article Writing/ Paragraph writing	<ol style="list-style-type: none"> <li>1. Sharing different topics including current topics.</li> <li>2. Read and write samples from newspaper reports and other articles.</li> </ol>	04	
	Reading Skills	Note Making	<ol style="list-style-type: none"> <li>1. Explain in detail the format of Note making.</li> <li>2. Students may be asked to make notes on any topic taught to them in any other subject, using an appropriate format of headings and subheadings. Let them write this in their English notebook as an interdisciplinary exercise.</li> </ol>	03	
<b>November</b>	Flamingo (Prose)	The Interview	<ol style="list-style-type: none"> <li>1. Definition of interview, its aims and objective; importance and nuances.</li> <li>2. Discussion about the interviews of famous personalities watched by you.</li> <li>3. Different video clippings of famous personalities, politicians, actors, and writers etc.</li> </ol>	06	1



	Vistas	Memories of Childhood	<ol style="list-style-type: none"> <li>1. Students must be asked to write a write-up on 'Your Childhood Memory.'</li> <li>2. Write the main points of both the stories and bring out the thematic similarities.</li> <li>3. Read comprehensively a few essays on Apartheid and relate with the story.</li> <li>4. Recall 'A Long Walk to Freedom' by Nelson Mandela of class 10<sup>th</sup>.</li> <li>5. Discuss / Debate on 'Hard work is the Key to the World of Respect / Knowledge.'</li> </ol>	08	1
	Grammar	Revision of Active and Passive Voice	<ol style="list-style-type: none"> <li>1. Problems in dealing with 'Active and Passive Voice' will be analyzed on the basis of performance of SAT – Exams.</li> <li>2. Practice will be given to the students with the help of Worksheets.</li> <li>3. Error finding exercises may be used to make the students more competent to use 'active and passive voice.'</li> </ol>	03	



	Writing Skills	Letter to Editor	<ol style="list-style-type: none"> <li>1. On public problems.</li> <li>2. Your own views on any national or international issue.</li> <li>3. Discuss the format of letter writing with point wise details.</li> <li>4. Students may be asked to write complaints, their views or any article requesting the editor of a local/national daily to publish in an important column.</li> </ol>	04	
	Reading Skills	Note Making	<ol style="list-style-type: none"> <li>1. The students may be given a skeletal framework that they fill in as a revision of Note -Making.</li> <li>2. They will be asked to summarize the given passage within 50 words.</li> </ol>	03	
<b>December</b>	Flamingo (Prose)	Going Places	<ol style="list-style-type: none"> <li>1. Discuss the life of a schoolgirl living in a world of fancy.</li> <li>2. Discuss how all the characters differ from each other with their unique characteristics.</li> <li>3. Discuss/debate on- 'Living in a real world is better than in a world of dreams.</li> <li>4. Imagine a happy ending to the lesson based on the world of reality.</li> </ol>	05	1



Vistas	Revision of First 3 Chapters	<ol style="list-style-type: none"><li>1. Class tests will be conducted.</li><li>2. On the basis of results of the tests, problems of the students will be solved.</li><li>3. Some problems will be solved using group discussion.</li></ol>	05	
Grammar	Revision of Narration	<ol style="list-style-type: none"><li>1. Problems in dealing with 'Narration' will be analyzed on the basis of performance of SAT – Exams.</li><li>2. Practice will be given to the students with the help of Worksheets.</li><li>3. Students will be asked to find out direct and indirect narration in their textbooks and newspaper.</li></ol>	03	
Reading Skills	Practice of Comprehension	Variety of passages to be taken from previous years' sample papers.	03	
Writing Skills	Poster Designing	<ol style="list-style-type: none"><li>1. Search the posters on different social issues in newspaper, internet and other media.</li><li>2. Write down the benefits of poster making and what students can learn through posters.</li></ol>	04	



			3. Give topics on different issues to the students to design posters on them.		
<b>January</b>	Flamingo (Prose)	Revision of all 8 Chapters	<ol style="list-style-type: none"> <li>1. Class tests will be conducted.</li> <li>2. On the basis of results of the tests, problems of the students will be solved.</li> <li>3. Some problems will be solved using group discussion.</li> </ol>	08	
	Flamingo (Poems)	Revision of all 5 Poems	<ol style="list-style-type: none"> <li>1. Class tests will be conducted; special efforts will be made for comprehension of stanza.</li> <li>2. On the basis of results of the tests, problems of the students will be solved.</li> <li>3. Some problems will be solved using group discussion.</li> </ol>	05	
	Vistas	Revision of last 3 Chapters	<ol style="list-style-type: none"> <li>1. Class tests will be conducted.</li> <li>2. On the basis of results of the tests, problems of the students will be solved.</li> <li>3. Some problems will be solved using group discussion.</li> </ol>	03	
	Grammar	Revision of Articles and	1. Problems in dealing with 'Articles and	02	



		Modals	Modals' will be analyzed on the basis of performance of SAT – Exams. 2. Practice will be given to the students with the help of Worksheets.		
	Writing Skills	Revision of whole syllabus	1. Class tests will be conducted. 2. On the basis of results of the tests, problems of the students will be solved. 3. Some problems will be solved using group discussion.	04	
	Reading Skills	Practice of Comprehension	Variety of passages to be taken from previous years' sample papers.	02	
<b>February</b>	Revision		Need based exercises will be provided.	10	
<b>March</b>	<b>Annual Examination</b>				

**Note:**

- **Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.**

**Prescribed Books:**

1. Flamingo-Class XII, BSEH Publication (© NCERT)
2. Vistas (Supplementary) -Class XII, BSEH Publication (© NCERT)





# हरियाणा विद्यालय शिक्षा बोर्ड

मासिक पाठ्यक्रम शिक्षण योजना(2023-24)

कक्षा – बारहवीं

विषय : हिन्दी आधार कोड : 502

मास	पुस्तक का नाम	विषय वस्तु	शिक्षण कालांश	दोहराई कालांश
अप्रैल		पेपर डिजाइन , अंक विभाजन व पेपर हल करने से संबंधित सामान्य जानकारी	4	—
	नैतिक शिक्षा	ईष वन्दना , भक्तियोग	1	
	आरोह भाग-2 काव्य खण्ड	हरिवंशराय बच्चन – (i) आत्मपरिचय (ii)दिन जल्दी- जल्दी ढलता है।	4	1
	गद्य खण्ड	महादेवी वर्मा – भक्तिन	4	1
	व्याकरण	सन्धि	4	1
मई	आरोह भाग-2 काव्य खण्ड	आलोक धन्वा – पतंग	4	1
	गद्य खण्ड	जैनेन्द्र कुमार- बाजार दर्शन	4	1
	वितान भाग-2	मनोहर श्याम जोशी – सिल्वर वैडिंग	5	1
	अभिव्यक्ति और माध्यम	विभिन्न माध्यमों के लिए लेखन	4	1
		अपठित गद्यांश	2	1
जून	ग्रीष्मावकाश में ( परियोजना कार्य व गृह कार्य आदि)			
जुलाई	आरोह भाग-2 काव्य खण्ड	कुंवर नारायण – (i) कविता के बहाने (ii) बात सीधी थी पर	3	1
	गद्य खण्ड	धर्मवीर भारती – काले मेघा पानी दे।	4	1
	वितान भाग-2	आनंद यादव – जूझ	4	1
	अभिव्यक्ति और माध्यम	पत्रकारीय लेखन के विभिन्न रूप	6	1
	नैतिक शिक्षा	अपठित पद्यांश	2	—
अगस्त	आरोह भाग-2 काव्य खण्ड	रघुवीर सहाय – कैमरे में बंद अपाहिज	4	1



	गद्य खण्ड	फणीश्वर नाथ रेणु— पहलवान की ढोलक	4	1
	अभिव्यक्ति और माध्यम	विशेष लेखन— स्वरूप और प्रकार	5	1
	व्याकरण	समास	5	1
	नैतिक शिक्षा	सूक्ति सौरभ , हवलदार अब्दुल हमीद	1	—
सितम्बर	आरोह भाग-2 काव्य खण्ड	शमशेर बहादुर सिंह – उषा	4	1
	गद्य खण्ड	हजारी प्रसाद द्विवेदी – शिरीष के फूल	4	1
	अभिव्यक्ति और माध्यम	कैसे करें कहानी का नाट्य रूपांतरण	4	1
	व्याकरण	वाक्य शोधन	4	1
	नैतिक शिक्षा	अष्टादश श्लोकी गीता व दुर्गा भाभी	3	—
अक्तुबर	आरोह भाग-2 काव्य खण्ड	सूर्यकांत त्रिपाठी निराला – बादल राग	4	1
	गद्य खण्ड	जैनेन्द्र कुमार— बाजार दर्शन	3	1
	वितान भाग-2	ओम थानवी – अतीत में दबे पाँव	5	1
	अभिव्यक्ति और माध्यम	कैसे बनता है रेडियो नाटक	3	1
	नैतिक शिक्षा	विज्ञानाचार्य डॉ॰ जगदीश चंद्र बसु अहिंसा के साधक महात्मा बुद्ध मदन लाल ढींगरा	3	1
नवम्बर	आरोह भाग-2 काव्य खण्ड	तुलसीदास— 1 कवितावली 2 लक्ष्मण— मच्छर्मा और राम का विलाप	5	2
	वितान भाग-2	ओम थानवी – अतीत में दबे पाँव	5	1
	व्याकरण	अलंकार – अनुप्रास, रूपक, यमक , श्लेष	4	1
	नैतिक शिक्षा	शाश्वत नैतिक मूल्य , गोस्वामी तुलसीदास संगठन – सूक्ति	3	1
दिसम्बर	आरोह भाग-2 काव्य खण्ड	1 फिराक गोरखपुरी – रुबाइयाँ 2 उमाशंकर जोशी— (i) छोटा मेंरा खेत (ii) बगुलों के पंख	4	2



	गद्य खण्ड	भीमराव अंबेडकर – श्रम विभाजन और जाति प्रथा , मेरी कल्पना का भारत	4	1
	अभिव्यक्ति और माध्यम	नये और अप्रत्याशित विषयों पर लेखन	4	2
	नैतिक शिक्षा	लौह पुरुष सरदार वल्लभभाई पटेल करतार सिंह सराबा , तीन मछलियाँ	3	1
जनवरी	व्याकरण	अलंकार – उपमा , उत्प्रेक्षा , मानवीकरण , पुनरुक्ति प्रकाश	4	1
	नैतिक शिक्षा	स्वच्छता , हेमचन्द्र विक्रमादित्य जगत् की उत्पत्ति , पारस्परिक सद्भावना	6	1
फरवरी	काव्य खण्ड व गद्य खंड	दोहराई	8	—
	वितान भाग-2	दोहराई	3	—
	अभिव्यक्ति और माध्यम	दोहराई	4	—
	व्याकरण	दोहराई	2	—
	नैतिक शिक्षा	दोहराई	3	—
मार्च	बोर्ड परीक्षाएं			

नोट – विषय शिक्षकों को सलाह दी जाती है कि वे छात्रों को शब्दावली या अवधारणा की स्पष्टता को बढ़ाने के लिए अध्यायों में प्रयोग की जाने वाली शब्दावली/ परिभाषात्मक शब्दों की नोटबुक तैयार करने के लिए निर्देशित करें।

निर्धारित पुस्तकें :

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- 2 वितान भाग – 2 हरियाणा विद्यालय शिक्षा बोर्ड , भिवानी © NCERT



## Monthwise Syllabus Teaching Plan (2023-24)

Class- 12th

Subject: History

Code:570

Month	Subject- content	Teaching Periods	Revision Periods
April	<b>Bricks, Beads and Bones</b> <ul style="list-style-type: none"> <li>Defining word, place and period</li> <li>Early survival methods</li> <li>Agricultural Technology</li> <li>Observation of social differences</li> <li>Information on the subject of craft production</li> </ul>	22	2
May	<b>Bricks, Beads and Bones</b> <ul style="list-style-type: none"> <li>Contact with remote areas</li> <li>Sealing and stamping</li> <li>Past completion problem</li> <li>Project</li> </ul>	11	1
	<b>Kings, Farmers and Towns</b> <b>Early states and Economies(c.600BCE-600CE)</b> <ul style="list-style-type: none"> <li>First of sixteen Mahajan Padas: Magadha</li> <li>A starting state</li> <li>New Principles of Raj Dharam and south emperor</li> <li>Changing countryside, King's image in public</li> <li>Land grants and the new rural elite</li> <li>Town and commerce</li> </ul>	11	1



	<ul style="list-style-type: none"> <li>• Historical evidence from records</li> <li>• Project</li> </ul>		
June	<p style="text-align: center;">Summer vacation 1st and 2nd chapters have to remember</p>		
July	<p><b>Kinship, Caste and Class Early Society Societies(c.600BCE-600CE)</b></p> <ul style="list-style-type: none"> <li>• Critical Edition of Mahabharata</li> <li>• fraternity and marriage</li> <li>• social disparities</li> <li>• caste and social mobility</li> <li>• Resources and prestige beyond birth</li> <li>• explanation of social inequalities</li> <li>• Project</li> </ul>	11	1
	<p><b>Thinkers, Beliefs and Buildings Cultural Developments (c.600BCE-600CE)</b></p> <ul style="list-style-type: none"> <li>• Glimpses of Sanchi</li> <li>• Pursuit of wisdom and knowledge</li> <li>• Teachings of the Buddha and followers</li> <li>• Structure of stupas</li> <li>• Amravati and Sanchi stupas</li> <li>• Development of sculpture</li> <li>• New religious traditions</li> <li>• Project</li> </ul>	11	1



August	<p><b>Through the Eyes of Travellers Perceptions of Society (c. 10<sup>th</sup> to 17<sup>th</sup> century)</b></p> <ul style="list-style-type: none"> <li>• Al Biruni and Kitab- Ul-Hind</li> <li>• Ibn Battuta and Rahela</li> <li>• Francois Bernier</li> <li>• social conventions</li> <li>• women's: slaves, Sati and labour</li> <li>• Project</li> </ul> <p><b>Bhakti- Sufi Traditions Changes in Religious Beliefs and Devotional Texts (c. 8<sup>th</sup> to 18<sup>th</sup> centuries)</b></p> <ul style="list-style-type: none"> <li>• How bhakti-Sufi compositions have been preserved</li> <li>• Early devotion traditions</li> <li>• Islamic traditions</li> <li>• Development of Sufism</li> <li>• Development of History of Religious Traditions</li> <li>• Project</li> </ul>	11	1
September	<p>Revision for Half-Yearly Exam Half-Yearly Exam</p> <p><b>An Imperial Capital: Vijayanagar (c. 14<sup>th</sup> to 16<sup>th</sup> centuries)</b></p> <ul style="list-style-type: none"> <li>• Exploring Hampi Ram, Nayak and Sultan</li> <li>• Capital of Vijayanagar empire</li> <li>• State and Religious Centre</li> <li>• Outline of new buildings</li> </ul>	11	2  1



	<ul style="list-style-type: none"> <li>• Relationship between architecture and the political system</li> <li>• Visuals of buildings at Hampi</li> <li>• Questions in search of answers</li> <li>• Project</li> </ul>		
October	<p><b>Peasants, Zamindars and the State (c. 16<sup>th</sup> to 17 centuries)</b></p> <ul style="list-style-type: none"> <li>• Farmers and Agricultural Production</li> <li>• Irrigation and Technology(In the context of Babur Nama)</li> <li>• Crop abundance</li> <li>• Rural community</li> <li>• women in agrarian society</li> <li>• Land revenue system</li> <li>• Mansabdari system</li> <li>• Abundance of silver</li> <li>• Ain I Akbari of Abul Fazal</li> <li>• Project</li> </ul> <p><b>Colonialism and The Countryside</b></p> <ul style="list-style-type: none"> <li>• Life of zamindars</li> <li>• Permanent Settlement, Santhals and Paharias</li> <li>• Fifth report</li> <li>• Who was Buchanan?</li> <li>• Countryside and rebellion</li> <li>• Deccan Riots Commission</li> <li>• Project</li> </ul>	11	1
		11	1



November	<b>Rebels and the Raj</b> <ul style="list-style-type: none"> <li>• Pattern of rebellion</li> <li>• Rumour and speculation</li> <li>• Subsidiary alliance</li> <li>• Revolt in Awadh</li> <li>• what did the rebels say?</li> <li>• Azamgarh announce 25 august 1857</li> <li>• Image of repression and rebellion</li> <li>• Project</li> </ul>	22	2
December	<b>Mahatma Gandhi and the Nationalist Movement</b> <ul style="list-style-type: none"> <li>• Mahatma Gandhi and the three movements</li> <li>• Beginning of non-cooperation movement</li> <li>• Nature of Gandhian leadership</li> <li>• Salt March</li> <li>• Separate electorate</li> <li>• India Quit Movement</li> <li>• Project</li> </ul>	22	2
January	<b>Framing the Constitution</b> <ul style="list-style-type: none"> <li>• A round of upheaval</li> <li>• Independence and then new nation state</li> <li>• The making of constitution</li> <li>• National language</li> <li>• The new nation state was debated and drawn up</li> <li>• Project</li> </ul>	10	2
February	Revision for Annual Exam		12
March	Annual Examination		





## Monthwise Syllabus Teaching Plan (2023-24)

**Class- 12<sup>th</sup>**

**Subject: Mathematics**

**Code: 835**

Month	Subject- content	Teaching Periods	Revision Periods	Practical Work
April	Chapter 3: Matrices	9	2	
	Chapter 4: Determinants	10	3	
	Chapter 1: Relations and Functions	8	2	
May	Chapter 2: Inverse Trigonometric Functions	8	3	
	Chapter 5: Continuity and Differentiability	19	4	
June	Summer Vacations (Suggestive Homework Assignment):- <ul style="list-style-type: none"> <li>• Direct the students to prepare notebook of the Terminology/Definitional Words used in chapters.</li> <li>• Assign project work.</li> <li>• Where do you find the mathematical concepts read , in daily life ; what type of mathematical examples do you face in daily life situations? All the students will note down and discuss about these in class.</li> </ul>			
July	Chapter 6: Application of Derivatives	12	3	
August	Chapter 7: Integrals	25	5	



September	Revision for Half - Yearly Exam		12	
	Half -Yearly Exam			
October	Chapter 8: Application of Integrals	5	1	
	Chapter 9: Differential Equations	18	3	
	Chapter 12: Linear Programming	4	1	
November	Chapter -10 : Vector Algebra	12	2	
December	Chapter 11: Three Dimensional Geometry	10	2	
	Chapter 13: Probability	12	2	
	Project Work and Case Based question practice			10
January	Revision		10	
February	Revision		30	
March	Annual Examination			

**Note:**

- Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.



## मासिक पाठ्यक्रम शिक्षण योजना (2023-24)

कक्षा – 12

विषय – शारीरिक शिक्षा

कोड- 806

मास	विषय-वस्तु	शिक्षण कालांश	दोहराई कालांश	प्रयोगात्मक कार्य
अप्रैल	<p><u>भाग-क</u></p> <p><b>पाठ -1 खेलों में योजना (PLANNING IN SPORTS)</b></p> <p>-योजना का अर्थ एवं उद्देश्य ।</p> <p>-विभिन्न समितियां व उनकी जिम्मेदारियाँ (पूर्व ,दौरान व बाद में )</p> <p>-टूर्नामेंट्स - नॉक -आउट ,लीग या राउंडरोबिन एवं कॉम्बिनेशन ।</p> <p>-फिक्स्चर तैयार करने की प्रक्रिया -नॉक-आउट ( बाई व सीडिंग)</p> <p>(साइक्लिक तथा स्टयेरकेस )</p> <p>-इंट्राम्यूरलस व् एक्सट्राम्यूरल्स -अर्थ ,उद्देश्य व इसका महत्व ।</p> <p><u>भाग-ख</u></p> <p>कबड्डी,खो-खो,वालीबॉल, एथलेटिक या स्कूल में उपलब्ध बुनियादी ढांचे और सुविधाओं के अनुसार खेलों का अभ्यास ग्राऊड माप, नियम एवं सुरक्षा उपाय</p>	08	02	06



मई	<p style="text-align: center;"><b>भाग-क</b></p> <p><b>पाठ- 2 खेलों में बच्चे तथा महिलाएं (CHILDREN AND WOMEN IN SPORTS)</b> -गामक विकास तथा इसे प्रभावित करने वाले कारक । वृद्धि एवं विकास की भिन्न-भिन्न अवस्थाओं में व्यायाम सम्बन्धी निर्देश । आसन सम्बन्धी सामान्य विकृतियां : घुटने टकराना , धनुषाकार टाँगें , चपटे पैर, झुके यां गोल कंधे , आगे को कूबड़ , पीछे को कूबड़ तथा रीढ़ की हड्डी का एक तरफ झुकना । आसन सम्बन्धी विकृतियों के लिए सुधारात्मक उपाय । भारत में महिलाओं की खेलों में सहभागिता या भागीदारी ।</p> <p><b>पाठ – 3 योग; जीवनशैली रोगों के निवारक के रूप में (YOGA AS PREVENTIVE MEASURES FOR LIFE STYLE DISEASES)</b> * <b>मोटापा या स्थूलता :-</b> 1) चक्रासन 2) कटिचक्रासन 3) उष्ट्रासन 4) पश्चिमोत्तानासन 5) कपालभाति – की प्रक्रिया, लाभ व विपरीत संकेत । * <b>मधुमेह :-</b> 1) कटिचक्रासन 2) मंडूकासन 3) अर्धमत्स्येन्द्रासन 4) पश्चिमोत्तानासन 5) कपालभाति --- की प्रक्रिया, लाभ व विपरीत संकेत ।</p> <p style="text-align: center;"><b>भाग-ख</b></p> <p>कबड्डी, खो-खो, वालीबॉल, एथलेटिक या स्कूल में उपलब्ध बुनियादी ढांचे और सुविधाओं के अनुसार खेलों का अभ्यास ग्राऊंडमाप, नियम एवं सुरक्षा उपाय ।</p>	08	02	06
<p><b>जून:- ग्रीष्मकालीन अवकाश</b> विद्यार्थियों को समुचित रचनात्मक गृह कार्य जरूर देना ।</p>				
जुलाई	<p style="text-align: center;"><b>भाग-क</b></p> <p>* <b>अस्थमा:</b> 1) ताड़ासन 2) भुजंगासन 3) गौमुखासन 4) वक्रासन 5) अनुलोम-विलोम की प्रक्रिया, लाभ व विपरीत संकेत ।</p>	08	02	06



	<p>* <b>उच्च रक्त चाप /उच्च रक्त दाब</b> :- 1) श्वासन 2) ताड़ासन 3) गौमुखासन 4) भुजंगासन 5) नाड़ी शोधन प्राणायाम तथा शीतली प्राणायाम की प्रक्रिया, लाभ विपरीत संकेत।</p> <p>* <b>पीठ -दर्द</b> :- 1) शलभासन 2) भुजंगासन 3) धनुरासन 4) ताड़ासन 5) वक्रासन</p> <p><b>पाठ-4 विशेष आवश्यकता वाले बच्चों (दिव्यांगों) के लिए शारीरिक शिक्षा एवं खेल (PHYSICAL EDUCATION AND SPORTS FOR (CWSN) CHILDREN WITH SPECIAL NEEDS –DIVYANG)</b></p> <p>* विकलांगता वाले खेलों को बढ़ावा देने वाले संगठन (स्पेशल ओलम्पिक ,पैरालम्पिक ,डीफलिम्पिक )</p> <p>* विशेष आवश्यकता वाले बच्चों के लिए शारीरिक गतिविधियों के लाभ। * समावेशन की अवधारणा , इसकी आवश्यकता और महत्त्व। * विशेष आवश्यकता वाले बच्चों के लिए शारीरिक गतिविधियों को सुगम बनाने की युक्तियाँ</p> <p style="text-align: center;"><u>भाग-ख</u> खंड स्तरीय खेल प्रतियोगिता की तैयारी</p>			
अगस्त	<p style="text-align: center;"><u>भाग-क</u></p> <p><b>पाठ-5 खेल तथा पोषण (Sports and Nutrition)</b></p> <p>* संतुलित आहार तथा पोषण: वृहत् (मैक्रो ) एवं शुक्ष्म (माईक्रो) पोशाक तत्व। * आहार के पोषक तथा गैर-पोषक घटक।</p> <p>* खेलों में आहार का महत्त्व। * खेल मुकाबलों से पहले/ के दौरान /के बाद आहार का स्वरूप।</p> <p>* खाद असहिष्णुता तथा भोजन मिथक।</p> <p style="text-align: center;"><u>भाग-ख</u> खंडस्तरीय खेल प्रतियोगिता, जिला स्तरीय खेल प्रतियोगिता की तैयारी</p>	08	02	06



सितम्बर	अर्धवार्षिक परीक्षा भाग-ख जिला स्तरीय खेलकूद प्रतियोगिता में भागीदारी	02	12	02
अक्टूबर	भाग-क <b>पाठ – 6 खेलकूद में परीक्षण व मापन (Test And Measurement in Sports)</b> * गामक पुष्टि परीक्षण (SAI खेलो इंडिया परीक्षण) * आयु 5-8 वर्ष :- i) BMI (बॉडी मास इंडेक्स ) ii) फ्लेमिंगो संतुलन परीक्षण iii) प्लेट टैपिंग टेस्ट * आयु 9-18 वर्ष :- i) BMI (बॉडी मास इंडेक्स ) ii) 50 मीटर गति दौड़ iii ) 600 मीटर दौड़/ पैदल चाल iv) सिट एंड रीच ( लचीलापन टेस्ट) v) आंशिक कर्ल-अप तथा पुश-अप टेस्ट (लड़कों की लिए) vi ) संसोधित पुश-अप (लड़कियों की लिए ) vii) स्टैंडिंग ब्रॉड जम्प viii ) 4X10 मीटर शटल दौड़ * सामान्य गामक पुष्टि (General Motor Fitness): बैरो तीन मद सामान्य गामक परीक्षण :- i )स्टैंडिंग ब्रॉड जम्प ii) जिग-जैग दौड़ (iii ) मेडिसन बॉल-पुट टेस्ट (लड़कों की लिए 3 Kg ) (लड़कियों की लिए 1 Kg ) <b>पाठ - 7 शरीर क्रिया-विज्ञान एवं खेलों में चोटें (Physiology and Injuries in Sports)</b> * शारीरिक पुष्टि के घटकों को निर्धारित करने वाले शरीर-क्रियात्मक कारक । * व्यायाम का मासपेशी संस्थान पर प्रभाव । * व्यायाम का कार्डियो-श्वसन संस्थान पर प्रभाव । भाग-ख प्रायोगिक पुस्तिका तैयार करना ।	06	02	02
नवंबर	भाग-क *खेल चोटें : वर्गीकरण, कारण लक्षण व बचाव / उपचार ।	08	02	06



	<p>* मुलायम उत्तकों की चोट :- घर्षण चोट , गुमचोट ,रगड़ , चीरा , मोच तथा खिंचाव * हड्डी व जोड़ों की चोट :- जोड़- विस्थापन ,  <b>अस्थि-भंग</b> :-दबाव अस्थि-भंग, कच्ची अस्थि-भंग , बहुखण्ड अस्थि-भंग अनुप्रस्थ अस्थि-भंग , तिरछा अस्थि-भंग  *प्राथमिक सहायता /प्राथमिक चिकित्सा : लक्ष्य एवं उद्देश्य</p> <p><b>पाठ -8 जीव यांत्रिकी एवं खेलकूद (Biomechanics and Sports)</b>  * न्यूटन के गति के नियम तथा खेलकूद में उनका प्रयोग ।  संतुलन: -गतिशील एवं स्थिर संतुलन ; गुरुत्वकेंद्र व खेलों में इनका प्रयोग * घर्षण एवं खेलकूद ।</p> <p style="text-align: center;"><u>भाग-ख</u>  प्रायोगिक पुस्तिका तैयार करना ।</p>			
दिसम्बर	<p style="text-align: center;"><u>भाग-क</u></p> <p><b>पाठ -9 मनोविज्ञान तथा खेल (Psychology and Sports )</b>  * व्यक्तित्व : इसकी परिभाषाएं एवं प्रकार (जंग का वर्गीकरण एवं बिग फाइव थ्योरी )  * अभिप्रेरणा : इसके प्रकार एवं तकनीकें ।  * खेलों में आक्रामकता : अर्थ, अवधारणा व प्रकार ।  * खेलों में मनोवैज्ञानिक विशेषताएं :- आत्म-सम्मान , मानसिक कल्पना , आत्म-चर्चा , लक्ष्य -निर्धारण ।</p> <p><b>पाठ-10 खेलों में प्रशिक्षण (Training in Sports)</b>  * खेल प्रशिक्षण चक्र का परिचय :- माइक्रो , मेसो , मैक्रो ।  * शक्ति, गति और सहनक्षमता के प्रकार एवं उनके विकास की विधियां ।  * शक्ति- आइसोमीट्रिक ,आइसोटॉनिक तथा आइसोकाइनेटिक ।  * गति- त्वरण दौड़ एवं पेस दौड़ ।  * सहनक्षमता- निरंतर, अंतराल एवं फ़ार्टलेक प्रशिक्षण ।  * परिधि पर्शिक्षण - परिचय एवं इसका महत्त्व ।</p>	10	04	02



	<p style="text-align: center;"><u>भाग-ख</u> प्रायोगिक पुस्तिका तैयार करना ।</p>			
जनवरी	<p style="text-align: center;"><u>भाग-क</u> पूरे पाठ्यक्रम की दोहराई <u>भाग-ख</u> प्रायोगिक पुस्तिका व प्रोजेक्ट तैयार करना ।</p>	-	12	-
फ़रवरी	दोहराई	-	12	-
मार्च	वार्षिक परीक्षा	-	-	-

नोट :-विषय शिक्षको को सलाह दी जाती है कि वे छात्रों को शब्दावली या अवधारणा की स्पष्टता को बढ़ाने के लिए अध्यायों में उपयोग की जाने वाली शब्दावली/ परिभाषात्मक शब्दों की नोट-बुक तैयार करने के लिए निर्देशित करें।

निर्धारित पुस्तक: पाठ्यक्रम संबंधित सीबीएसई द्वारा निर्धारित पुस्तक।





## Chapter 14: Semiconductor Electronics: Materials, Devices and Simple Circuits

**Introduction, Classification of Metals, Conductors and Semiconductors, Intrinsic Semiconductor, Extrinsic Semiconductor, p-n Junction: p-n Junction Formation, Semiconductor Diode: p-n Junction Diode under Forward Bias, p-n Junction Diode under Reverse Bias, Application of Junction Diode as Rectifier.**

### Practicals :

#### SECTION–A

1. to determine resistivity of wire by plotting a graph for potential difference versus current.
2. to find resistance of a given wire / standard resistor using metre bridge.
3. to verify the laws of combination (series) / parallel of resistances using a meter bridge.
4. to determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
5. to convert the given galvanometer (of known resistance and figure of merit) into a voltmeter/ammeter of desired range and to verify the same.
6. to find the frequency of AC mains with a sonometer.

### Activities

1. to measure the resistance and impedance of an inductor with or without iron core.
2. to measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multi-meter.



3. to assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
4. to assemble the components of a given electrical circuit.
5. to study the variation in potential drop with length of a wire for a steady current.
6. to draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

### SECTION-B

1. to find the value of  $v$  for different values of  $u$  in case of a concave mirror and to find the focal length.
2. to find the focal length of a convex mirror, using a convex lens.
3. to find the focal length of a convex lens by plotting graphs between  $u$  and  $v$  or between  $1/u$  and  $1/v$ .
4. to find the focal length of a concave lens, using a convex lens.
5. to determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
6. to determine refractive index of a glass slab using a travelling microscope.
7. to find the refractive index of a liquid using (i) convex lens, (ii) concave mirror and plane mirror.
8. to draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.

### Activities

1. to identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
3. to study effect of intensity of light (by varying distance of the source) on an LDR.



4. to observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
5. to observe diffraction of light due to a thin slit.
6. to study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
7. to obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

### **Suggested Investigatory Projects**

1. to study various factors on which the internal resistance/EMF of a cell depends.
2. to study the variations in current flowing in a circuit containing an LDR because of a variation in
  - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
  - (b) the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. to find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, a concave lens (made from a glass of known refractive index) and an adjustable object needle.
4. to investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
5. to investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
6. to estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
7. to study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.



## Monthwise Syllabus Teaching Plan (2023-24)

**Class-XII**

**Subject: Physics**

**Code: 850**

Month	Subject- content	Teaching Periods	Revision Periods	Practical Work
April	Ch-1: Electric Charges and Fields	10	02	08
	Ch-2: Electrostatic Potential and Capacitance	12	02	
May	Ch-3: Current Electricity	11	02	12
	Ch-4: Moving Charges and Magnetism	12	02	
June	<b>Summer Vacation (Project Work)</b>			
July	Ch-5: Magnetism and Matter	09	02	12
	Ch-6: Electromagnetic Induction	12	02	
August	Ch-7: Alternating Current	10	04	12
	Ch-8: Electromagnetic Waves	04	01	
September	Revision Half Yearly Examination		10	
October	Ch-9: Ray Optics and Optical Instruments	14	03	10
	Ch-10: Wave optics	10	03	



November	Ch-11: Dual Nature of Radiation and Matter	08	02	12
	Ch-12: Atoms	10	04	
December	Ch-13 : Nuclei	08	02	12
	Ch-14: Semiconductor Electronics: Materials, Devices and Simple Circuits	12	04	
January	<b>Revision</b>		10	10
February	<b>Revision</b>		08	08
March	<b>Annual Examination</b>			

**Note:**

- Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.

**Prescribed Books:**

1. Physics, Class XII, Part -I and II, Published by BSEH © NCERT.
2. Laboratory Manual of Physics for class XII Published by NCERT.



1	Collapse of bipolarity	5
2	Alternative Centre of Power	5
3	Contemporary South Asia	5
4	International Organisation	7
5	Security in Contemporary World	4
6	Environment and Natural Resources	6
7	Globalisation	8
<b>Grand Total</b>		<b>80</b>

### **Monthwise Syllabus Teaching Plan (2023-24)**

**Class- 12      Subject: Political science      Code: 573**

<b>Month</b>	<b>Subject- content</b>	<b>Teaching Periods</b>	<b>Revision Periods</b>	<b>Practical Work</b>
April	1.Nation building its challenges	8	4	3



	2.Era of one party dominance			
May	3.Politics of planned development 4.India s external Relation	12	8	3
June	Summer Vacation		Project work Home work	
July	5.Challange to and Restoration of the Congress system 6.Crisis of constitutional order	14	8	2
August	7.Regional aspiration 8.Indian politics: recent changes	13	4	3
September	1 Collapse of bipolarity	12	4	3
October	2.Alternative Centre of Power	10	5	2
November	3. Contemporary South Asia	10	6	3
December	4.International Organisation 5.Security in Contemporary World	15	7	2
January	6.Environment and Natural Resources 7.Globalisation	15	5	2
February	Revision of whole syllabus	-	-	-



March	Annual Examination	-	-	-
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**Note:**

- Subject teachers are advised to direct the students to prepare notebook of the Terminology/Definitional Words used in the chapters for enhancement of vocabulary or clarity of the concept.

**Prescribed Books:**

1. Politics in India since Independence (HBSE Publication)©NCERT
2. Contemporary World Politics (HBSE Publication)©NCERT

