

## INDEX

S.No.	Contents	Page No.
1.	Preface	2
2.	General Guidelines for the students	3
3.	Schedule of distribution of units in the syllabus	4
4.	<u>Syllabus in detail :</u>	
	• English Core	5
	• Mathematics	8
	• Physics	9
	• Chemistry	11
	• Biology	13
	• Computer Science	16
	• Informatics Practices	17
	• Fine Arts (Painting)	17
	• Accountancy	18
	• Business Studies	20
	• Economics	23
	• Geography	25
	• Political Science	27
	• Psychology	28
	• Mass Media Studies	31
	• Physical Education	34
	• Hindustani Vocal Music	34

## **PREFACE**

The syllabus for Class XII has been compiled in accordance with the curriculum set by CBSE and the guidelines provided by the CBSE from time to time.

The course aims to provide certain objectives which have been enlisted in the syllabus booklet.

The chapterwise allocation of marks has been provided for the students, list of help books / textbooks and other literature related to the specific subject has also been provided.

Students are advised to read their "NCERT" text books, first and along with it refer to those added materials.

We hope that our work proves to be helpful to the students and to the faculty members.

## **GENERAL GUIDELINES FOR THE STUDENTS**

1. Students should be present in the class at the start of the period and reach in time for all other activities and functions.
2. Attendance on the last day of school before vacation and first day of the school after vacations is absolutely essential.
3. Students are required to behave politely at all times and should not use indecent languages or, indulge in fights and quarrels with other children in the school. Any behaviour likely to cause hurt to others in the matter of language, religion or community is strictly prohibited.
4. Children should refrain themselves from the following activities :  
Spitting in or near the school building, disfiguring or otherwise damaging the school property, smoking any form of gambling use of drugs, intoxicants, rowdyism and rude behaviour, use of violence in any form and casteism and communalism.
5. No students should scratch or damage the school property or write or draw on the walls or cause damage in any way to any item belonging to the school or to others in the school. Any damage done will render the students liable for recovery of damages.
6. In the absence of the teacher from the classroom students are required to observe silence and obey the monitor of the class.
7. Every student should have his/her own textbook, stationery and other material required for studies, Articles should not be exchanged, nor should money borrowed or lent.
8. A student who uses unfair means in the examination will render himself/herself liable to such punishment as is considered necessary by the Principal/Co-ordinator.
9. The general behaviour of students should be good not only within in the school but also outside. Any reported objectionable conduct within or outside the school will make the student liable for disciplinary action.
10. Student found possessing or, reading any books or magazine of indecent nature are liable for disciplinary action.
11. Every student should take care of his/her personal belongings, School authorities will not be responsible for loss of such belongings.
12. It is the duty of all students to keep their classrooms and other places in and around the school clean and in order. All waste paper and other discardable materials should be thrown in the dustbin.
13. No student is allowed to write on the black board unless asked to do so by the teacher.
14. Before leaving the class room at the end of the day they should arrange the desks and chairs in proper order, put off the lights and fans, close the windows, throw the waste and unwanted materials into the dustbin and then leave the class room.
15. A student should come to the school in proper uniform which should be properly washed & ironed.
16. A student should greet/wish everybody with a pleasant smile.
17. Violation of the rules and regulations of the school and the code of conduct will render the concerned student liable to punishment including removal from the rolls of the school.
18. Regular attendance is very important and the students have to meet the criteria as given by CBSE.

**UNIT WISE DISTRIBUTION OF THE SYLLABUS (2025-2026)****CLASS-XII**

Unit	Dates		No. of Days
	From	To	
Unit 1	03.03.2025	15.03.2025	08
Unit 2	17.03.2025	29.03.2025	11
Unit 3	02.04.2025	19.04.2025	11
Unit 4	21.04.2025	03.05.2025	11
Unit 5	05.05.2025	16.05.2025	09
Unit 6	19.05.2025	30.05.2025	10 Extra Classes
<b>Summer Vacation</b>	<b>31.05.2025</b>	<b>21.06.2025</b>	
Unit 7	23.06.2025	05.07.2025	11
Unit 8	07.07.2025	18.07.2025	10
Unit 9 & Rev.	21.07.2025	02.08.2025	11
Unit 10	04.08.2025	22.08.2025	14
Unit 11	25.08.2025	12.09.2025	15
Unit 12 & Rev.	15.09.2025	29.09.2025	11 (Block Teaching)
Unit 13	03.10.2025	17.10.2025	11
Unit 14 & Rev.	24.10.2025	31.10.2025	06

**Completion of Syllabus : Friday, 31.10.2025****REVISION SCHEDULE :**

	Dates		No. of Days
	From	To	
Rev. for Pre-Board-1	01.11.2025	14.11.2025	10
Rev. for Pre-Board-2	29.11.2025	12.12.2025	11
<b>Practicals</b>			
Round-1	26.08.2025	28.08.2025	
Round-2	Before the final Board Exams		
<b>Final Practicals to be announced by CBSE</b>			

**EXAMINATION SCHEDULE :**

Assessment	Dates	
	From	To
Periodic Assessment-1	28.04.2025	03.05.2025
Periodic Assessment-2	05.07.2025	11.07.2025
<b>Half Yearly Exams</b>	<b>11.08.2025</b>	<b>25.08.2025</b>
Periodic Assessment-3	06.10.2025	14.10.2025
<b>Pre-Board-1</b>	<b>17.11.2025</b>	<b>28.11.2025</b>
<b>Pre-Board-2</b>	<b>15.12.2025</b>	<b>07.01.2026</b>
<b>Final Practicals</b>	<b>To be announced by CBSE</b>	
<b>Blessing Ceremony</b>	<b>To be announced later.</b>	

## ENGLISH CORE

### Prescribed Books :

1. **Flamingo (NCERT)**
2. **Vistas Supplementary Reader (NCERT)**

### Background :

Students are expected to have acquired a reasonable degree of language proficiency in English Language by the time they come to class XI, and the course aims, essentially, at promoting the higher-order language skills.

For a large number of students, the higher secondary stage will be a preparation for the university, where a fairly high degree of proficiency in English may be required. But for another large group, the higher secondary stage may be a preparation for entry into the professional domain. The Core Course should cater to both groups by promoting the language skills required for academic study as well as the language skills required for the workplace.

### Competencies to be focused on :

The general objectives at this stage are to :

- ♦ listen and comprehend live as well as record in writing oral presentations on a variety of topics
- ♦ develop greater confidence and proficiency in the use of language skills necessary for social and academic purpose to participate in group discussions, interviews by making short oral presentation on given topics
- ♦ perceive the overall meaning and organisation of the text (i.e., correlation of the vital portions of the text)
- ♦ identify the central/main point and supporting details, etc., to build communicative competence in various lexicons of English
- ♦ promote advanced language skills with an aim

to develop the skills of reasoning, drawing inferences, etc. through meaningful activities

- ♦ translate texts from mother tongue(s) into English and vice versa
- ♦ develop ability and acquire knowledge required in order to engage in independent reflection and enquiry
- ♦ read and comprehend extended texts (prescribed and non-prescribed) in the following genres: science fiction, drama, poetry, biography, autobiography, travel and sports literature, etc.
- ♦ text-based writing (i.e., writing in response to questions or tasks based on prescribed or unseen texts) understand and respond to lectures, speeches, etc.
- ♦ write expository / argumentative essays, explaining or developing a topic, arguing a case, etc. write formal / informal letters and applications for different purposes
- ♦ make use of contextual clues to infer meanings of unfamiliar vocabulary
- ♦ select, compile and collate information for an oral presentation
- ♦ produce unified paragraphs with adequate details and support
- ♦ use grammatical structures accurately and appropriately
- ♦ write items related to the workplace (minutes, memoranda, notices, summaries, reports etc.
- ♦ filling up of forms, preparing CV, e-mail messages., making notes from reference materials, recorded talks etc.

The core course should draw upon the language items suggested for class IX-X and delve deeper into their usage and functions. Particular attention may, however, be given to the following areas of grammar :

- The use of passive forms in scientific and innovative writings.
- Convert one kind of sentence/clause into a different kind of structure as well as other items to exemplify stylistic variations in different discourses modal auxiliaries- uses based on semantic considerations.

### A. Specific Objectives of Reading :

Students are expected to develop the following study skills :

- ♦ skim for main ideas and scan for details
- ♦ refer to dictionaries, encyclopedia, thesaurus and academic reference material in any format
- ♦ select and extract relevant information, using reading skills of skimming and scanning
- ♦ understand the writer's purpose and tone
- ♦ comprehend the difference between the literal and the figurative
- ♦ differentiate between claims and realities, facts and opinions, form business opinions on the basis of latest trends available
- ♦ comprehend technical language as required in computer related fields, arrive at personal conclusion and logically comment on a given text.
- ♦ Specifically develop the ability to be original and creative in interpreting opinion, develop the ability to be logically persuasive in defending one's opinion and making notes based on a text.

### Develop literary skills as enumerated below :

- ♦ respond to literary texts
- ♦ appreciate and analyse special features of languages that differentiate literary texts from non-literary ones, explore and evaluate features of character, plot, setting, etc.
- ♦ understand and appreciate the oral, mobile and visual elements of drama. Identify the elements of style such as humour, pathos, satire and irony, etc.

- ♦ make notes from various resources for the purpose of developing the extracted ideas into sustained pieces of writing

### **B. Listening and Speaking :**

Speaking needs a very strong emphasis and is an important objective leading to professional competence. Hence, testing of oral skills must be made an important component of the overall testing pattern. To this end, speaking and listening skills are overtly built into the material to guide the teachers in actualization of the skills.

### **Specific Objectives of Listening & Speaking**

Students are expected to develop the ability to :

- ♦ take organized notes on lectures, talks and listening passages
- ♦ listen to news bulletins and to develop the ability to discuss informally a wide ranging issues like current national and international affairs, sports, business, etc.
- ♦ respond in interviews and to participate in formal group discussions.
- ♦ make enquiries meaningfully and adequately and to respond to enquiries for the purpose of travelling within the country and abroad.
- ♦ listen to business news and to be able to extract relevant important information.
- ♦ to develop public speaking skills.

### **C. Specific Objectives of Writing :**

The students will be able to :

- write letters to friends, relatives, etc. to write business and official letters.
- ♦ open accounts in post offices and banks. To fill in railway/airline reservation forms.
- ♦ draft notices, advertisements and design posters effectively and appropriately
- ♦ write on various issues to institutions seeking relevant information, lodge complaints, express gratitude or render apology.

- ♦ write applications, fill in application forms, prepare a personal bio-data for admission into colleges, universities, entrance tests and jobs.
- ♦ write informal reports as part of personal letters on functions, programs and activities held in school (morning assembly, annual day, sports day, etc.)
- ♦ write formal reports for school magazines/ events/processes/or in local newspapers about events or occasions.
- ♦ express opinions, facts, arguments in the form of speech or debates, using a variety of accurate sentence structures
- ♦ draft papers to be presented in symposia.
- ♦ take down notes from talks and lectures.
- ♦ write examination answers according to the requirement of various subjects.
- ♦ summarize a text.

### **D. More About Reading :**

Inculcating good reading habits in children has always been a concern for all stakeholders in education. The purpose is to create independent thinking individuals with the ability to not only create their own knowledge but also critically interpret, analyze and evaluate it with objectivity and fairness. This will also help students in learning and acquiring better language skills. Creating learners for the 21st century involves making them independent learners who can learn, unlearn and relearn. If our children are in the habit of reading, they will learn to reinvent themselves and deal with the many challenges that lie ahead of them.

Reading is not merely decoding information or pronouncing words correctly. It is an interactive dialogue between the author and the reader in which the reader and the author share their experiences and knowledge with each other.

Good readers are critical readers with an ability to arrive at a deeper understanding of not only the world presented in the book but also of the real world around them.

Consequently, they become independent thinkers capable of taking their own decisions in life rationally. Hence, a few activities are suggested below which teachers may use as a part of the reading project.

- Short review / dramatization of the story
- Commentary on the characters
- Critical evaluation of the plot, storyline and characters
- Comparing and contrasting the characters within the story with other characters in stories by the same author or by different authors
- Extrapolating about the story read or life of characters after the story ends defending characters actions in the story
- Making an audio story out of the novel text to be read aloud.
- Interacting with the author
- Holding a literature fest where students role-play as various characters to interact with each other
- Role playing as authors/poets/dramatists to defend their works and characters
- Symposiums and seminars for introducing a book, an author, or a theme
- Creating graphic novels out of novel or short stories they read
- Dramatizing incidents from a novel or a story
- Creating their own stories
- Books of one genre to be read by the whole class.

Teachers may select books and e-books suitable to the age and level of the learners. Care ought to

be taken to choose books that are appropriate in terms of language, theme and content and which do not hurt the sensibilities of a child.

Teachers may later suggest books from other languages by dealing with the same themes as an extended activity. The Project should lead to independent learning/reading skills and hence the chosen book should not be taught in class, but may be introduced through activities and be left for the students to read at their own pace. Teachers may, however, choose to assess a student's progress or success in reading the book by asking for verbal or written progress reports, looking at their diary entries, engaging in a discussion about the book, giving a short quiz or a work sheet about the book/short story. A befitting mode of assessment may be chosen by the teacher.

#### Methods and Techniques

The techniques used for teaching should promote habits of self-learning and reduce dependence on the teacher. In general, we recommend a multi-skill, learner-centered, activity based approach, of which there can be many variations. The core classroom activity is likely to be that of silent reading of prescribed/selected texts for comprehension, which can lead to other forms of language learning activities such as role-play, dramatization, group discussion, writing, etc., although many such activities could be carried out without the preliminary use of textual material. It is important that students be trained to read independently and intelligently, interacting actively with texts, with the use of reference materials (dictionary, thesaurus, etc.) where necessary. Some pre-reading activity will generally be required, and the course books should suggest suitable activities, leaving teachers free to devise other activities when

desired.

So also, the reading of texts should be followed by post reading activities. It is important to remember that students should be encouraged to interpret texts in different ways.

Group and pair activities can be resorted to when desired, although many useful language activities can be carried out individually. In general, teachers should encourage students to interact actively with texts and with each other. Oral activity (group discussion, etc.) should be encouraged.

**Unit 1 03.03.2025 to 15.03.2025 (08)**

**Literature** : The Enemy, My mother at 66

**Grammar** : Revision of Articles,  
Letters to the editor

**Art Integration** : Location of Germany and  
Alsace (France) in the map of world

**Unit 2 17.03.2025 to 29.03.2025 (11)**

**Literature** : The Third Level, Lost Spring  
Keeping Quiet

**Art Integration** : Drawing the plan of  
the road to the third Level

**Unit 3 02.04.2025 to 19.04.2025 (11)**

**Literature** : The Last Lesson,  
Aunt Jennifer's Tigers,

**W. Skills** : Report, Notice

**Art Integration** : Presentation of PPT  
Scripting the story

**Unit 4 21.04.2025 to 03.05.2025 (11)**

**Writing Skills** : Invitation and Reply

**Literature** : Journey to the end of the Earth

**Unit 5 05.05.2025 to 16.05.2025 (09)**

**Literature** : Lost spring  
Project Discussion

**W. Skills** : Job Application

**Unit 6 19.05.2025 to 30.05.2025 (10)**

**Literature** : A Thing of Beauty, The Tiger King

**W. Skills** : Revision Notice

**Art Integration/Activity** : Pictorial representation

**Unit 7 23.06.2025 to 05.07.2025 (11)**

**Literature** : The Tiger King, Cont.  
Discussion on The Enemy

**Unit 8 07.07.2025 to 18.07.2025 (10)**

**W. Skills** : Revision of Invitation and Reply

**Literature** : Deep Water, The Interview,  
Poets and Pancakes

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**W. Skills** : Comprehension, Invitation (cont)

**Revision 04.08.2025 to 08.08.2025 (5)**

**W. Skills** : Revision of Comprehension Skills,  
Revision for Half Yearly

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Literature** : The Rattrap, A Road side stand

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Literature** : Indigo, A Thing of Beauty,  
Journey to the end of the Earth

**W. Skills** : Revision of the writing skill

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Literature** : Going Places, On the face of it,  
Memories of Childhood  
and Revision

**Unit 13 03.10.2025 to 17.10.2025 (11)**  
Revision

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**  
Revision

#### EXAMINATION SCHEDULE :

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

**Reading** : Unseen comprehensions

**W.Skills** : Job Application, Letter writing

**Literature** : The Enemy, My mother at 66

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

**Reading** : Unseen comprehensions

**W.Skills** : Report, article

**Literature** : Lost Spring, Deep water,  
The third level, A thing of beauty



**Half Yearly Exams 11.08.2025 to 25.08.2025****Reading** : Unseen comprehensions**W.Skills** : Job Application, Letter writing, Article, Report**Literature** : The Enemy, My mother at 66  
Lost Spring, Deep water,  
The third level, A thing of beauty**Periodic Asst.-3 06.10.2025 to 14.10.2025****Reading** : Unseen comprehensions**W.Skills** : Invitations**Literature** : Interview, Going places,  
Aunt Jenifer's Tigers**Pre-Board-1 17.11.2025 to 28.11.2025****Topics** : Whole Syllabus**Pre-Board-2 15.12.2025 to 07.01.2026****Topics** : Whole Syllabus**MATHEMATICS****Prescribed Book : NCERT Text Book Class XII****Reference Book :****1. Exemplar Problems by NCERT****2. DOE Support material****Teaching Objective Of Senior Secondary  
Level Mathematics :**

The main goal of mathematics education in schools is the mathematisation of the child's thinking. Clarity of thought and pursuing assumptions to logical conclusions is central to the mathematical enterprise. There are many ways of thinking, and the kind of thinking one learns in mathematics is an ability to handle abstractions, and an approach to problem solving. Universalization of schooling has important implications for mathematics curriculum. In our vision, school mathematics takes place in a situation where :

1. Children learn to enjoy mathematics
2. Children learn important mathematics
3. Mathematics is a part of children's life experience which they talk about
4. Children pose and solve meaningful problems
5. Children use abstractions to perceive relationships and structure
6. Children understand the basic structure of mathematics and
7. Teachers expect to engage every child in class.

**Book :****1. Mathematics Text Book Part 1 for Class XII by NCERT****2. Mathematics Text Book Part 1 for Class XII by NCERT****Ref Book : Mathematics Exemplar Problems for Class XII by NCERT****Unit 1 03.03.2025 to 15.03.2025 (08)****Topic** : Chap 3 n 4 Matrices & Determinants**Learning Outcomes** : To understand Matrices & Determinants and its application to solve system of linear equations.**Unit 2 17.03.2025 to 29.03.2025 (11)****Topic** : Chap 3 n 4 Matrices & Determinants cont..**Unit 3 02.04.2025 to 19.04.2025 (11)****Topic** : Chap 1 Relation & Function**Learning Outcomes** : To understand Relation and its types & Functions its types.**Art Integration** : To demonstrate a function which is not one-one but is not onto.**Unit 4 21.04.2025 to 03.05.2025 (11)****Topic** : Chap 2 Inverse Trigonometry and Revision**Learning Outcomes** : To understand Inverse Trigonometry and its related concepts.**Art Integration** : Graph of Inverse Trigonometric functions.**Unit 5 05.05.2025 to 16.05.2025 (09)****Topic** : Chap 5 Continuity and Differentiability**Learning Outcomes** : To understand the concept of Continuity and Differentiability. To know differentiation of implicit function, Exponential function, Log function, Application of Log, 2<sup>nd</sup> order derivative. To understand application of differentiation in rate measure, increasing n decreasing and minimum n maximum.**Art Integration** : Continuity through graph**Unit 6 19.05.2025 to 30.05.2025 (10)****Topic** : Chap 6 Applications of Derivatives**Learning Outcomes** : To understand integration and how to integrate given integrand using substitution, transformation, some special integrals, partial fraction, by parts.**Art Integration** : To construct an open box of maximum volume from a given rectangular sheet

To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.

**Unit 7 23.06.2025 to 05.07.2025 (11)****Topic** : Chap 7 Integration**Learning Outcomes** : To understand definite integration and properties of definite integration. To understand miscellaneous integration.**Unit 8 07.07.2025 to 18.07.2025 (10)****Topic** : Chap 7 Integration Cont.**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)****Topic** : Chap 8 Applications of the Integrals and

Chap 9 Differential Equations

**Learning Outcomes** : To understand application



of integration to find area of closed region. To understand Differential Equations its order and degree. Solution of DE using Separable variable, homogeneous and Linear DE.

**Art Integration** : Rough sketch of Parabola, Circle, Ellipse

**Revision** 04.08.2025 to 08.08.2025 (5)

**Topic** : Revision

**Learning Outcomes** :

To revise the covered syllabus.

**Unit 10** 04.08.2025 to 22.08.2025 (14)

**Topic** : Chap 10 Vectors  
Revision series to recap  
Unit 1 to Unit 9 Cont...

**Learning Outcomes** : To understand Vectors and its operation like dot products, cross products.

Revision classes and test series cont... to make students confident.

**Unit 11** 25.08.2025 to 12.09.2025 (15)

**Topic** : Chap 11 3-D

**Learning Outcomes** : To understand straight lines in 3D

**Art Integration** : To demonstrate equation of plane in normal form.

To measure the shortest distance between two

**Unit 12 & Rev.** 15.09.2025 to 29.09.2025 (11)

**Topic** : Chap 13 Probability

**Learning Outcomes** : To understand Probability based on condition, application of bayes' and random distribution.

**Art Integration** : To explain the computation of conditional probability of a given event A, when event B has already occurred, through a pair of dice.

**Unit 13** 03.10.2025 to 17.10.2025 (11)

**Topic** : Revision

**Learning Outcomes** : Revision class and test series cont... to make students confident.

**Unit 14 & Rev.** 24.10.2025 to 31.10.2025 (06)

**Topic** : Revision

**EXAMINATION SCHEDULE** :

**Periodic Asst.-1** 28.04.2025 to 03.05.2025

**Topic** : Chap 1 Relation & Function,  
Chap 3 n 4 Matrices &  
Determinants

**Periodic Asst.-2** 05.07.2025 to 11.07.2025

**Topic** : Chap 5 Continuity and  
Differentiability  
Chap 6 AOD,  
Chap 7 Integration

**Half Yearly Exams** 11.08.2025 to 25.08.2025

**Topic** : Chap 1 to 9

**Periodic Asst.-3** 06.10.2025 to 14.10.2025

**Topic** : Chap 9 to 10

**Pre-Board-1** 17.11.2025 to 28.11.2025

**Topic** : Entire Syllabus

**Pre-Board-2** 15.12.2025 to 07.01.2026

**Topic** : Entire Syllabus

## PHYSICS

**Prescribed Book** : Physics Text Book NCERT

**Reference Books** :

**New Simplified Physics By** : S.L. Arora

**Objectives** :

With this background, the Physics curriculum at the higher secondary stage attempts to :

Strengthen the concepts developed at the secondary stage to provide firm ground work and foundation for further learning Physics at the tertiary level more effectively and learning the relationship with daily-life situations;

- ◆ Develop conceptual competence in the learners and make them realize and

appreciate the interface of Physics with other disciplines;

- ◆ Expose the learners to different processes used in Physics-related industrial and technological applications;
- ◆ Develop process-skills and experimental, observational, manipulative, decision-making and investigatory skills in the learners;
- ◆ Promote problem-solving abilities and creative thinking to develop interest in the learners in the study of Physics as a discipline;
- ◆ Understand the relationship between nature and matter on scientific basis, develop positive scientific attitude, and appreciate the contribution of Physics towards the improvement of quality of life and human welfare;
- ◆ Physics teaching-learning at the higher secondary stage enables the learners to comprehend the contemporary knowledge and develop aesthetic sensibilities and process skills.

The experimental skills and process-skills developed together with conceptual Physics knowledge prepare the learners for more meaningful learning experiences and contribute to the significant improvement of quality of life. The learners would also appreciate the role and impact of Physics and technology, and their linkages with overall national development.

**Unit 1** 03.03.2025 to 15.03.2025 (08)

**Topic** : Ch-1 Electric charges and field

**Learning Outcomes** : Students acquires the basic knowledge of Electric charges, concept of electrostatic force in vector form different distribution of charges, Electric field produced by different distribution of charges and its mathematical analysis. Student will be able to

relate the phenomena of charging of a body with daily life.

**Art integration/Lab Activities :**

Presentation from the Students

- ❖ Different Graphs
- ❖ Diagrams
- ❖ Question bank

**Unit 2      17.03.2025 to 29.03.2025      (11)**

**Topic      : Ch-2 Electrostatic Potential and Capacitance**

**Learning Outcomes :** Student will be able to relate the Electrical potential with electric field. Student will be able to understand the working of charge storing device i.e, capacitor

**Art integration/Lab Activities :**

Presentation from the Students

- ❖ Lab demonstration
- ❖ Question bank
- ❖ CBSE Sample Paper

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic      : Ch-3 Current Electricity**

**Learning Outcomes :** Students are able to understand the concept of Potential difference and current and also the process of finding the unknown current in a loop using KVL and KCL. Students will be able to understand the practical application of resistors and cells and its different combination in real life.

Students will be able to operate different electrical instruments like Potentiometer, Meter bridge, Galvanometer, Voltmeter, ammeter etc. also they learned

**Art integration/Lab Activities :**

1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current.
2. To find resistance of a given wire using metre bridge and hence determine the resistivity

(specific resistance) of its material.

3. To verify the laws of combination (series) of resistances using a metre bridge.
4. To verify the laws of combination (parallel) of resistances using a metre bridge.
5. To compare the EMF of two given primary cells using potentiometer.
6. To determine the internal resistance of given primary cell using potentiometer.

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic      : Ch-4 Magnetic Effect of Current**

**Learning Outcomes :** Student will learn about the relation between electricity and Magnetism and different methods to find the Magnetic field due to different types of conductor.

Student will learn about the force between two parallel conductors and its mathematical analysis depending upon the directions of current.

Student will learn about the conversion of galvanometer into ammeter and voltmeter of desired range.

**Art integration/Lab Activities :**

1. Experimental demonstration of Oersted's experiment.
2. Experimental demo of Plotting of Magnetic Field lines for Bar Magnet

**Unit 5      05.05.2025 to 16.05.2025      (09)**

**Topic      : Ch-5 Magnetism and matter**

**Learning Outcomes :** Students will learn about the different magnetic materials and their properties.

Students will learn about earth's magnetism and its element.

**Unit 6      19.05.2025 to 30.05.2025      (10)**

**Topic      : Ch-6 Electromagnetic Induction  
Ch-7 Alternating Current**

**Learning Outcomes :** Students will learn about the different method to induce an emf in a given

conductor which is useful to understand the concept of Mutual and self induction.

Students acquires the basic knowledge about the Principle construction working and real life application of Transformer and AC Generator

**Art integration/Lab Activities :** To find the frequency of AC mains with a sonometer.

**Unit 7      23.06.2025 to 05.07.2025      (11)**

**Topic      : Ch-8 Electromagnetic Wave**

**Learning Outcomes :** Student acquires knowledge about the Practical application of EMW in our Daily life.

**Art integration/Lab Activities :** Group discussion to discuss the Practical Applications of EMW in field of Communication, Medical, etc.

**Unit 8      07.07.2025 to 18.07.2025      (10)**

**Topic      : Ch-9 Ray Optics**

**Learning Outcomes :** Student will learn about the different types of mirror and lenses and respective ray diagrams for image formation along the mathematical tactics and Analysis.

Student will learn the different optical phenomena of in our daily life like Colour of a sky and cloud, Advanced sunrise and delayed sunset etc.

**Art integration/Lab Activities :**

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.

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**Topic : Chapter 10-Wave Optics**

**Learning Outcomes :** Student will learn about the Wave nature of light

Learner will be able to learn interference, diffraction pattern and polarisation.

**Art integration/Lab Activities :**

Presentation from the Students

❖ Question bank

❖ CBSE Sample Paper

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic : Ch-11 Dual nature of matter and Atom**

**Learning Outcomes :** Learners will be able to understand the dual nature of light (Wave and Particle) along with experimental and mathematical verification

**Art integration/Lab Activities :**

Presentation from the Students

❖ Question bank

❖ CBSE Sample Paper

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Topic : Ch-12 Atoms and Ch-13 Nuclei**

**Learning Outcomes :** Learners will be able to understand the Concept of atoms and nuclei with help of different models developed by different scientists (Rutherford's model, bohr's model etc.)

**Art integration/Lab Activities :**

Presentation from the Students

❖ Question bank

❖ CBSE Sample Paper

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic : Ch-14 Semiconductor Electronics**

**Learning Outcomes :** Learners will be able to understand the Concept of Conductors, Insulator and semiconductor with the help of Band Energy Theory.

Learners will be able to understand the Classification of semiconductors along with Practical applications in PN diode, Rectifiers, Optoelectronic devices.

**Art integration/Lab Activities :**

1. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias.
2. To draw the characteristic curve of a zener diode and to determine its reverse break down voltage.

**Unit 13 03.10.2025 to 17.10.2025 (11)**

Revision

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

Topic : Ch-1 and Ch-2

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

Topic : Ch-4 and Ch-3

**Half Yearly Exams 11.08.2025 to 25.08.2025**

Topic : Ch-1, 2, 3, 4, 5, 6, 7, 8

**Periodic Asst.-3 06.10.2025 to 14.10.2025**

Topic : Ch-9 and 10

**Pre-Board-1 17.11.2025 to 28.11.2025**

Topic : Full Syllabus

**Pre-Board-2 15.12.2025 to 07.01.2026**

Topic : Full Syllabus

## CHEMISTRY

**Prescribed Book :**

**Chemistry Text Book NCERT**

**Rationale :**

Higher Secondary is the most crucial stage of

school education because at this juncture specialized discipline based, content-oriented courses are introduced. Students reach this stage after 10 years of general education and opt for Chemistry with the purpose of pursuing their career in basic sciences or professional courses like medicine, engineering, technology, and other applied areas. Therefore, there is a need to provide learners with sufficient conceptual background of Chemistry, which will make them competent to meet the challenges of academic and professional courses after the senior secondary stage.

The new and updated curriculum is based on disciplinary approach with rigour and depth taking care that the syllabus is not heavy and at the same time it is comparable to the international level. The knowledge related to the subject of Chemistry has undergone tremendous changes during the past one decade. Many new areas like synthetic materials, biomolecules, natural resources, industrial chemistry are coming in a big way and deserve to be an integral part of chemistry syllabus at senior secondary stage. At international level, new formulations and nomenclature of elements and compounds, symbols and units of physical quantities floated by scientific bodies like IUPAC and CGMP are immense importance and need to be incorporated in the updated syllabus. The revised syllabus takes care of all these aspects. Greater emphasis has been laid on use of new nomenclature, symbols and formulations, teaching of fundamental concepts, application of concepts in chemistry to industry/technology, logical sequencing of units, removal of obsolete content and repetition, etc.

**Objectives :**

The curriculum of Chemistry at Senior Secondary Stage aims to :

- promote understanding of basic facts and concepts in chemistry while retaining the excitement of chemistry.
- make students capable of studying chemistry in academic and professional courses (such as medicine, engineering, technology) at Tertiary level.
- expose the students to various emerging new areas of chemistry and apprise them with their relevance in future studies and their application in various spheres of chemical sciences and technology.
- equip students to face various challenges related to health, nutrition, environment, population, weather, industries and agriculture.
- develop problem solving skills in students.
- expose the students to different processes used in industries and their technological applications.
- apprise students with interface of chemistry with other disciplines of science such as physics, biology, geology, engineering etc.
- acquaint students with different aspects of chemistry used in daily life.
- develop an interest in students to study chemistry as a discipline.
- integrate life skills and values in the context of chemistry.

**Unit 1      03.03.2025 to 15.03.2025      (08)**  
**Topic      : Solutions**

General Introduction : Importance and scope of chemistry. Types of solution, Henry law, its application, Raoult's law, ideal solution, deviation

from ideal behaviour, concentration expression, colligative properties, abnormal molar mass and van't Hoff factor

**Learning Objectives :**

- To make them understand about solution.
- To clear basic nature of real solution.

**Learning Outcomes :** Students will learn about the concept of solution. They must understand about real solution and its behaviour.

**Art Integration :** Raoult's law can be taught by drawing the graph and deviation. Concentration concept can be taught by practical.

**Unit 2      17.03.2025 to 29.03.2025      (11)**

**Topic      : Electro Chemistry**

Detail structure of various cells and its working, Electromotive force, cell potential and reference electrode, product of electrolysis Nernst equation, Kohlrausch law, primary and secondary cell chemical

**Learning Objectives :** To make them understand about concentration and cell expression and its functioning

**Learning Outcomes :** Student will be able to understand structure and functioning of various cell. Students understand about calculation of electrode potential.

**Art Integration :** Explained structure of cell by drawing.

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic      : Chemical Kinetics**

Explain rate of reaction Expression of rate reaction, unit of rate of reaction, rate constant and factor effecting rate of reaction

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic      : d and f block element**

Introduction of transition metal and lanthanoid and actinoid, its properties, preparation of  $\text{KMnO}_4$  and  $\text{K}_2\text{Cr}_2\text{O}_7$  and its oxidizing nature

**Learning Objectives :** This topic is important for the distinguishing the various reaction and rate expression, rate constant, molecularity, factors affecting rate

**Learning Outcomes :** Students will be able to know about rate of reaction, expression of rate of reaction. Students understand how to express, calculate rate of reaction and on what factors it affected.

**Art Integration :** Draw graph to express rate of reaction, Temperature dependence

**Unit 5      05.05.2025 to 16.05.2025      (09)**

**Topic      : Coordination Compound**

Definition of Coordination Compound, Difference with double salt; Rules of naming of these compounds isomerism and bonding (VBT and CFT)

**Learning Objectives :** This chapter will lead the student to understand about transition metal and its properties. It also explain oxidizing nature of transition metal compounds

**Learning Outcomes :** They will be able to tell classification, definition, properties of transition metal along with preparation of some transition compounds.

**Art Integration :** Charts related to different properties of transition metal along with reason.

**Unit 6      19.05.2025 to 30.05.2025      (10)**

**Topic      : Halo alkane and Arene**

**Learning Objectives :** Students must understand about coordination compound, naming, students understand about isomerism and bonding in coordination compound

**Learning Outcomes :** Students must understand about coordination compound naming, bonding and isomerism. and bonding in coordination compound

**Learning Outcomes :** students will learn about coordination compound and able to know about



its naming, bonding and isomerism.

**Art Integration :** Draw structures of coordination compounds.

**Unit 7 23.06.2025 to 05.07.2025 (11)**

**Topic : Alcohol and Phenol**

**Learning Objectives :** This chapter makes students to understand the concept of organic compounds its structure naming, preparation and chemical properties;

**Learning Outcomes :** Students will gain an understanding of the application of haloalkane and arene its preparation and its chemical properties.

**Art Integration :** Flow chart of preparation method of halo alkane

**Unit 8 07.07.2025 to 18.07.2025 (10)**

**Topic : Aldehyde and Carboxylic acid**

naming, general method of preparation and physical and chemical properties of aldehyde and carboxylic acid.

**Learning Objectives :** To make them understand its structure naming, preparation and chemical properties

**Learning Outcomes :** Students will gain an understanding of the application of **Alcohol and Phenol**, its preparation and its chemical properties

**Art Integration :** Draw structure of various alcohol and phenol.

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**Topic : Amines**

naming, general method of preparation and physical and chemical properties of amine.

**Learning Objectives :** This chapter helps learners to understand the concept of nomenclature of compound. its structure naming, preparation and chemical properties

**Learning Outcomes :** Students will be able to

understand the concept of naming. They will be able to predict chemical properties.

**Art Integration :** Chart of various reactions along with name reactions.

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic : Biomolecules**

Brief description of carbohydrate, protein vitamin, enzyme and nucleic acid

**Learning Objectives :** To make the students understand physical and chemical properties of amine.

**Learning Outcomes :** Students will be able to understand the concept of naming. They will be able to predict chemical properties.

**Art Integration :** Draw structures of various amine.

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Topic : Hormone, DNA, Nucleic acid**

**Learning Objectives :** To make them understand the basics, fundamentals of organic chemistry. This chapter clears the concept related to the stability of organic compounds

**Learning Outcomes :** Students will be able to understand the concept of biomolecule, Structure bonding and application biomolecule.

**Art Integration :** Draw structures of peptide bond.

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic : Conversion of functional group**

Distinguish test of various functional groups.

**Learning Objectives :** To make them understand the basics, fundamentals of organic chemistry, This chapter clears the concept related to the stability of organic compounds

**Learning Outcomes:** Student will be able to understand the concept of naming. They will be able to predict chemical properties.

**Art Integration:** Draw Structures

**Unit 13 03.10.2025 to 17.10.2025 (11)**

**Topic : Distinguish test of various functional groups.**

**Learning Objectives :** To make them understand the basics, fundamentals of organic chemistry, This chapter clears the concept related to the stability of organic compounds

**Learning Outcomes:** Student will be able to understand the concept of naming. They will be able to predict chemical properties.

**Art Integration:** Draw Structures

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic : Revision**

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

**Topic :**

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

**Topic :**

**Half Yearly Exams 11.08.2025 to 25.08.2025**

**Topic :**

**Periodic Asst.-3 06.10.2025 to 14.10.2025**

**Topic :**

**Pre-Board-1 17.11.2025 to 28.11.2025**

**Topic :**

**Pre-Board-2 15.12.2025 to 07.01.2026**

**Topic :**

## BIOLOGY

**Prescribed Book :**

1. **Biology Text Book-12 NCERT**
2. **X-am Idea**
3. **Truemann to the point series**
4. **Champion Biology (Dinesh Publications)**
5. **Practical File : Samar Practical file**
6. **Practical Manual : Comprehensive**

**Objectives :**

- ❖ To promote understanding of basic principles of Biology.
- ❖ To encourage learning of emerging knowledge and its relevance to individual and society.
- ❖ To promote rational/scientific attitude to issues related to population, environment and development.
- ❖ To enhance awareness about environmental issues, problems and their appropriate solutions.
- ❖ To create awareness amongst the learners about diversity in the living organisms and developing respect for other living beings.
- ❖ To appreciate that the most complex biological phenomena are built on essentially simple processes.

**Unit 1      03.03.2025 to 15.03.2025      (08)**

**Topic        : Ch-1 : Sexual Reproduction in Flowering Plants**

**Learning outcomes :**

1. Gain knowledge about concepts of reproduction and will be able to relate it with variation and evolution
2. Will be able to relate organism's body design to complexity of reproduction method
3. Able to use gained knowledge for practical purpose or in day to day life i.e will be able to identify fruit or seed type
4. Can apply knowledge gained on pollination in crop breeding
5. Able to correlate flower type with pollination methodology adopted.

**Art integration :**

1. Collage of different asexual reproduction methods.
2. Flow chart on steps of sexual reproduction

3. Creative diagrams of Micro and megasporogenesis
4. Exit cards of structure of mega and microsporangium
5. Diagram of different types of pollen grains and ovules.
6. Flow chart of zygote development.
7. Collection of different types of seeds

**Unit 2      17.03.2025 to 29.03.2025      (11)**

**Topic        : Ch-2 : Human Reproduction  
Ch-3 : Reproductive Health**

**Learning outcomes :**

1. To relate basic functioning of human body with respect to reproduction and can learn the significance of it. To apply basic knowledge gained in practical aspects of life. Can correlate the healthy reproductive systems with good fetal development. Can relate healthy habits to better reproductive health
2. Can apply knowledge gained in educating masses

**Art integration :**

1. Word wall for difficult terms along with meaning
2. Creative diagrams of reproductive systems
3. Diagram of transverse sections of gonads
4. Flowchart on gametogenesis
5. Role play on method of contraception and their functions
6. Flowchart on ART

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic        : Ch-4 : Principles of Inheritance and Variation**

**Learning Outcomes :**

1. Gain knowledge about concepts of genes / alleles and apply the concepts to higher domains when needed
2. Can correlate the blood groups and gene nature

3. Can correlate the skin color as additive effect of genes.

**Art Integration :**

1. Word wall of terms of genetics with meaning
2. Punnet square presentation of any cross
3. Tabulation of blood groups and alleles involved
4. Chart of genetic disorder and their symptoms

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic        : Ch-4 : Principles of Inheritance and Variation contd.  
Ch-5 : Molecular Basis of Inheritance**

**Learning Outcomes :**

1. Can apply knowledge gained in predicting the inheritance pattern of any genetic disorder in a family tree
2. Gain knowledge about genetic material DNA, its structure and the various experiments related to its discovery.
2. Gain knowledge about concepts of DNA and apply the concepts to higher domains when needed i.e. RAPD, RFLP and AFLP.
3. Can correlate the error in DNA copying to variation
4. Can comprehend the differences between pro and eukaryotic transcription and can relate it to their internal structure

**Art Integration :**

1. Drawing any pedigree of any genetic disorder or analysing any pedigree.
2. Model making of DNA using straw and pastel sheet
3. Making nucleosome model using ball and wires
4. Flow chart on DNA replication.
5. Table for enzymes in molecular biology with functions.



6. Diagram of prokaryotic and eukaryotic transcription.

**Unit 5 05.05.2025 to 16.05.2025 (09)**

**Topic** : Ch-5 : Molecular Basis of Inheritance Contd. + Revision

**Learning outcomes :**

1. Can comprehend the process of translation, various factors influencing it and its importance in human body.
2. Can understand the gene regulation at different levels : Lac operon
3. Can correlate the sequencing of human genome as path breaking study for genetic disease treatments

**Art integration :**

1. Diagram of translation occurring in a ribosome.
2. Diagram Lac operon
3. Flowchart genome sequencing

**Unit 6 19.05.2025 to 30.05.2025 (10)**

**Topic** : Ch-7 Human Health and Diseases+ Revision

**Learning outcomes :**

1. To apply basic concepts in daily life for better prevention from deadly infectious diseases like AIDS
2. Can read a vaccination card
3. Can correlate the importance of immunity types under different situations i.e snake bite / accident etc
4. Can compare traditional vaccines with a much newer concepts like edible vaccines and genetically engineered vaccines

**Art Integration :**

1. Table on infectious diseases with casual, organism, symptoms, mode of spread and treatment.
2. Diagram of life cycle of HIV – AIDS virus

3. Flow chart on working mechanism of immune responses

**Unit 7 23.06.2025 to 05.07.2025 (11)**

**Topic** : Ch-8 : Microbes in Human Welfare

**Learning outcomes :**

1. To apply basic concepts in daily life i.e. making curd, cheese, idli, cleaning fruit juices using proteases and other beverages at small scale
2. Will be able to learn and appreciate the importance of microbes in life

**Art Integration :**

1. Flow chart on Sewage treatment
2. Table of name of microbes, their products and use
3. Diagram Biogas Plant
4. Structure of important microbes/Bioactive molecules

**Unit 8 07.07.2025 to 18.07.2025 (10)**

**Topic** : Ch-6 Evolution

**Learning outcomes :**

1. Will be able to name
2. Will be able to categorise groups/phylas animals as old or recent on the basis of their evolutionary roots
3. Can relate to phylogeny of any organism
4. Can correlate and trace out ancestors of any group
5. Can trace evolution of humans
6. Can solve problem based on Hardy Weinberg Law

**Art Integration :**

1. Diagram of Miller and Urey's experimental set up Human evolution chart
2. Graphs of different ways of natural selection
3. Diagram adaptive radiation and convergent evolution

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**Topic** : Ch-9 : Biotechnology - Principles and Processes + Revision

**Learning outcomes :**

1. Gained knowledge about concepts of genetic engineering and apply the concepts to higher domains
2. Can relate to the need of different enzymes and vectors in plants and animals
3. Can relate the knowledge gained to current research field of nif genes transfer in non leguminous plants

**Art integration :**

1. Diagram of mechanism of action of Eco RI to form rDNA
2. Table of important restriction enzymes and their palindromic sites.
3. Diagram of bioreactors
4. Flowchart on steps of forming a recombinant protein

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic** : Ch-10 : Biotechnology and its Application  
Ch-12 : Ecosystem

**Learning outcomes :**

1. Gained knowledge about concepts can be applied to the concepts of higher domains
2. Can relate to the benefits reaped by genetically engineered insulin over normal insulin
3. Can identify and provide examples of producers, consumers and decomposers
4. Can construct food chain and food webs in different ecosystems
5. Will be able to solve problems based on energy flow

**Art integration :**

1. Flow charts on production of Bt-cotton plant

## COMPUTER SCIENCE

**Prescribed Book :****1. Computer Science (NCERT)****2. Preeti Arora (Sultan Chand)****Learning Outcomes :** Student should be able to :

- a) apply the concept of function and recursion.
- b) create and use Python libraries.
- c) explain and use the concept of file handling.
- d) explain the concept of efficiency in algorithms and computing in general.
- e) use basic data structure: Stacks and Queues.
- f) explain basics of computer networks.
- g) use Database concepts, SQL along with connectivity between Python and SQL.

**Unit 1      03.03.2025 to 15.03.2025      (08)**

**Topic** : Revision of Python topics covered in Class XI  
Functions in Python

**Activity** : Programs of Python topics covered in class XI

**Unit 2      17.03.2025 to 29.03.2025      (11)**

**Topic** : User define Functions

**Activity** : Python programs of functions

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic** : Exception Handling

**Activity** : Handling Exception in Python

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic** : Introduction to Files  
Types of Files

**Activity** : Python Programs of Files

**Unit 5      05.05.2025 to 16.05.2025      (09)**

**Topic** : Introduction to Files  
Types of Files

**Activity** : Python Programs of Files

**Unit 6      19.05.2025 to 30.05.2025      (10)**

**Topic** : CSV Files

**Activity** : Python Programs of CSV Files

2. Exit cards on steps of nematode resist plant
3. Diagram of insulin
4. PPT of different ecosystems
5. Diagrams of ecological pyramids

**Unit 11      25.08.2025 to 12.09.2025      (15)**

**Topic** : Ch-11 : Organisms and  
Populations + Revision

**Learning outcomes :**

1. Able to relate to their distribution of organisms on the basis of factors and organism's attributes
2. Able to comprehend the need methods to escape stressful conditions by certain group of organisms
3. Able to relate to emphasis of interactions among different populations in ecosystems to their survival value
4. Gained knowledge can be applied to save and conserve biodiversity and natural resources

**Art integration :**

1. World wall of ecological terms with meaning
2. Presentation on population interactions and their examples
3. Diagram of latitudinal gradients and biodiversity patterns
4. Pie charts showing biodiversity of different invertebrate phyla, vertebrate classes and plant divisions

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic** : Ch-13 : Biodiversity and its  
Conservation

**Learning outcomes :**

1. Can relate to different patterns of biodiversity loss and compare them
2. Can formulate differences between exsitu and insitu conservation approaches

**Art integration :**

1. Species richness curve with respect to area and factors affecting it
2. PPT based on conservation approaches
3. Video on Project tiger

**Unit 13      03.10.2025 to 17.10.2025      (11)**

**Topic** : Ch-13 : Biodiversity and its  
Conservation contd. + Revision

**Learning outcomes :**

1. Can relate to factor responsible for biodiversity loss.
2. Can relate and value the services provided free of cost by nature

**Art integration :**

1. Pie-charts of different vertebrates/ invertebrates/ plant division indicating biodiversity loss.
2. Video of extinct animal species due to various factors.

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic** : Revision

**EXAMINATION SCHEDULE :****Periodic Asst.-1      28.04.2025 to 03.05.2025**

**Topic** : Ch-1 and Ch-3

**Periodic Asst.-2      05.07.2025 to 11.07.2025**

**Topic** : Ch-4 and Ch-7

**Half Yearly Exams      11.08.2025 to 25.08.2025**

**Topic** : Ch-1, Ch-2, Ch-3, Ch-4, Ch-5(1/2)  
Ch-6, Ch-7, Ch-8

**Periodic Asst.-3      06.10.2025 to 14.10.2025**

**Topic** : Ch-9 and Ch-10

**Pre-Board-1      17.11.2025 to 28.11.2025**

**Topic** : Full Syllabus

**Pre-Board-2      15.12.2025 to 07.01.2026**

**Topic** : Full Syllabus

<b>Unit 7</b>	<b>23.06.2025 to 05.07.2025</b>	<b>(11)</b>
<b>Topic</b>	: Data Structure	
<b>Activity</b>	: Python Programs of Data Structure	
<b>Unit 8</b>	<b>07.07.2025 to 18.07.2025</b>	<b>(10)</b>
<b>Topic</b>	: Data Structure	
<b>Activity</b>	: Python Programs of Data Structure	
<b>Unit 9 &amp; Rev.</b>	<b>21.07.2025 to 02.08.2025</b>	<b>(11)</b>
<b>Topic</b>	: Interface Python with SQL	
<b>Activity</b>	: Front end & Back end connectivity	
<b>Revision</b>	<b>04.08.25 to 08.08.25</b>	
<b>Topic</b>	: Interface Python with SQL	
<b>Activity</b>	: Front end & Back end connectivity	
<b>Unit 10</b>	<b>04.08.2025 to 22.08.2025</b>	<b>(14)</b>
<b>Topic</b>	: Computer Networks	
<b>Activity</b>	: PPT on Computer Networking	
<b>Unit 11</b>	<b>25.08.2025 to 12.09.2025</b>	<b>(15)</b>
<b>Topic</b>	: Computer Networks	
<b>Activity</b>	: Working of LANs	
<b>Unit 12 &amp; Rev.</b>	<b>15.09.2025 to 29.09.2025</b>	<b>(11)</b>
<b>Topic</b>	: Database Management	
<b>Activity</b>	: My SQL Commands	
<b>Unit 13</b>	<b>03.10.2025 to 17.10.2025</b>	<b>(11)</b>
<b>Topic</b>	: Revision	
<b>Unit 14 &amp; Rev.</b>	<b>24.10.2025 to 31.10.2025</b>	<b>(06)</b>
<b>Topic</b>	: Revision	
<b>EXAMINATION SCHEDULE :</b>		
<b>Periodic Asst.-1</b>	<b>28.04.2025 to 03.05.2025</b>	
<b>Topic</b>	: Chapter-1	
<b>Periodic Asst.-2</b>	<b>05.07.2025 to 11.07.2025</b>	
<b>Topic</b>	: Chapter-2, 3	
<b>Half Yearly Exams</b>	<b>11.08.2025 to 25.08.2025</b>	
<b>Topic</b>	: Chapter-1, 2, 3, 4, 5	
<b>Periodic Asst.-3</b>	<b>06.10.2025 to 14.10.2025</b>	
<b>Topic</b>	: Chapter-6	
<b>Pre-Board-1</b>	<b>17.11.2025 to 28.11.2025</b>	
<b>Topic</b>	: Chapter 1-8	
<b>Pre-Board-2</b>	<b>15.12.2025 to 07.01.2026</b>	
<b>Topic</b>	: Chapter 1-8	

## INFORMATICS PRACTICES (065)

### Prescribed Book :

1. Informatics Practices NCERT
2. Informatics Practices Preeti Arora (Sultan Chand & Sons Publication)

### Learning Outcomes :

At the end of this course, students will be able to :

- Create series, Data frames and apply various operations.
- Visualize data using relevant graphs.
- Design SQL queries using aggregate functions.
- Import/Export data between SQL database and Pandas.
- Learn terminology related to networking and internet.
- Identify internet security issues and configure browser settings.
- Understand the impact of technology on society including gender and disability issues

**Unit 1**      **03.03.2025 to 15.03.2025**      **(08)**

**Topic** : Data Handling Using Pandas

**Activity** : Create a Python programs

**Unit 2**      **17.03.2025 to 29.03.2025**      **(11)**

**Topic** : Data Structures in Pandas

**Activity** : Create a panda's series from a dictionary

**Unit 3**      **02.04.2025 to 19.04.2025**      **(11)**

**Topic** : Series and Data Frames

**Activity** : Create a Data Frame

**Unit 4**      **21.04.2025 to 03.05.2025**      **(11)**

**Topic** : Data Visualization

**Activity** : Programs using Matplotlib

**Unit 5**      **05.05.2025 to 16.05.2025**      **(09)**

**Topic** : Data Visualization

**Activity** : Programs using Matplotlib

**Unit 6**      **19.05.2025 to 30.05.2025**      **(10)**

**Topic** : Database Query using SQL

**Activity** : Create Database and Tables

**Unit 7**      **23.06.2025 to 05.07.2025**      **(11)**

**Topic** : Database Query using SQL

**Activity** : Create Database and Tables

**Unit 8**      **07.07.2025 to 18.07.2025**      **(10)**

**Topic** : MySQL

**Activity** : Create Database and Tables

**Unit 9 & Rev.** **21.07.2025 to 02.08.2025**      **(11)**

**Topic** : MySQL

**Activity** : Create Database and Tables

**Unit 10**      **04.08.2025 to 22.08.2025**      **(14)**

**Topic** : project

**Activity** : Project Work

**Unit 11**      **25.08.2025 to 12.09.2025**      **(15)**

**Topic** : Project using Pandas and Matplotlib

**Activity** : Project work using Pandas and Matplotlib

**Unit 12 & Rev.** **15.09.2025 to 29.09.2025**      **(11)**

**Topic** : Introduction to Computer Networks

**Activity** : PPT on Computer Network

**Unit 13**      **03.10.2025 to 17.10.2025**      **(11)**

**Topic** : Societal Impacts

**Activity** : PPT on Social Impact

**Unit 14 & Rev.** **24.10.2025 to 31.10.2025**      **(06)**

**Topic** : Revision

## FINE ARTS (Painting-049)

### Prescribed Book :

### General Objectives :

- ◆ To help students to understand the arrangement of elements in a way that appeals to the senses.
- ◆ To develop the skills of art with the intention of stimulating thoughts and emotions.

- ◆ To develop the creativity and creative ability in students.
- ◆ To make children independent in creating their own style and skills.

**Learning Outcomes :**

- Apply elements (line, shape, form, texture, color, value and space) and principles (repetition, variety, rhythm, proportion, movement, balance, emphasis and unity) in work that effectively communicates their ideas.
- Identify and discriminate between types of shape (geometric and organic), colors (primary, secondary, complementary, intermediates, neutrals, tints, tones, shades and values), lines (characteristics, quality), textures (tactile and visual), and space (background, middle ground, foreground, placement, perspective, overlap, negative, converging lines positive, size, color), balance (symmetrical, asymmetrical, radial) and the use of proportion, rhythm, variety, repetition, and movement in their work and the works of others.
- Students develop and apply skills using a variety of two dimensional and three dimensional media, tools, and processes to create works that communicate personal meaning.

**Unit 1 03.03.2025 to 15.03.2025 (08)**

**Practical** : Model with pencil drawing (two or three) object and Drapery

**Theory** : Short notes on Art, What is Art, parts of painting modern Art, Miniature painting, Graphic Art commercial Art & Sculpture.

**Unit 2 17.03.2025 to 29.03.2025 (11)**

**Practical** : Composition on any subject

(Railway Station) Sketch with pencil draw more than three figures.

**Theory** : Main features of Rajasthan origin and development of Mewar, Bundi, Bikaner, Jodhpur, Kishan Garh and Jaipur.

**Unit 3 02.04.2025 to 19.04.2025 (11)**

**Practical** : Start new model with Pencil Drawing.

**Theory** : Origin & development of 17<sup>th</sup> cent AD to 18<sup>th</sup> cent AD of Pahari School.

**Unit 4 21.04.2025 to 03.05.2025 (11)**

**Practical** : Composition on any subject (Rainy day or flood) sketch with pencil draw more than three figures

**Theory** : Mughal School of Miniature painting 16<sup>th</sup> cent AD to 19<sup>th</sup> AD. Its features painting from the Akbar & Jahangir period.

**Unit 5 05.05.2025 to 16.05.2025 (09)**

**Practical** : Model start with a pencil (two or three object with Drapery).

**Theory** : Mughal period Jahangir to Aurangzeb period & paintings. Study of five plates (Painting of Mughal period & Artist).

**Unit 6 19.05.2025 to 30.05.2025 (10)**

**Practical** : Composition with pencil sketch (on any subject) festival

**Theory** : Study of Deccan school of miniature painting 16<sup>th</sup> cent AD to 19<sup>th</sup> cent AD

**Unit 7 23.06.2025 to 05.07.2025 (11)**

**Practical** : New model start with a pencil

**Theory** : Revision

**Unit 8 07.07.2025 to 18.07.2025 (10)**

**Practical** : Figure sketching

**Theory** : Short notes on Hyderabad, Bijapur & Gol Konda Art. Complete the Deccan period

**Unit 9 21.07.2025 to 02.08.2025 (11)**

**Practical** : Composition with pencil sketch (on any subject)

**Theory** : New Era in Indian art- An Introduction

**Revision 04.08.25 to 08.08.25**

**Practical** : Submission

**Theory** : Revision

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Practical** : Model start with pencil (two or three object with Drapery)

**Theory** : Study of contemporary Indian art Painting and Graphics

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Practical** : Composition with pencil sketch (on any subject) (two or three object with Drapery)

**Theory** : Study of the sculpture

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Practical** : Model start with pencil (two or three object with Drapery)

**Theory** : Revision

**Unit 13 03.10.2025 to 17.10.2025 (11)**

**Topic** : Revision

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic** : Revision

## ACCOUNTANCY

**Prescribed Book : D.K. GOEL**

**General Objectives :**

1. To familiarize students with new and emerging areas in the preparation and presentation



- of financial statements.
- To acquaint students with basic accounting concepts and accounting standards.
  - To develop the skills of designing need based accounting database.
  - To appreciate the role of ICT in business operations.
  - To develop an understanding about recording of business transactions and preparation of financial statements.
  - To enable students with accounting for Partnership Firms, company accounts and analysis of financial statements.

**Unit 1      03.03.2025 to 15.03.2025      (08)**

**Topic      :** Accounting of partnership firm-Fundamental

**Learning Outcomes :**

- state the meaning of partnership, partnership firm and partnership deed.
- describe the characteristic features of partnership and the contents of partnership deed.
- discuss the significance of provision of Partnership Act in the absence of partnership deed.
- differentiate between fixed and fluctuating capital, outline the process and develop the understanding and skill of preparation of Profit and Loss Appropriation Account.

**Art Integration :** Preparing different Ledger in proper formats

**Unit 2      17.03.2025 to 29.03.2025      (11)**

**Topic      :** Change in profit sharing ratio among existing partner

**Learning Outcomes :** state the meaning of sacrificing ratio, gaining ratio and the change in profit sharing ratio among existing partners.

**Art Integration :** Preparing Journal using proper formats

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic      :** Admission of partner

**Learning Outcomes :**

- develop the understanding of accounting treatment of revaluation assets and reassessment of liabilities and treatment of reserves and accumulated profits by preparing revaluation account and balance sheet.
- explain the effect of change in profit sharing ratio on admission of a new partner.

**Art Integration :** Preparing different Ledger in proper formats

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic      :** Admission of partner continue

**Learning Outcomes :**

- develop the understanding of accounting treatment of revaluation assets and reassessment of liabilities and treatment of reserves and accumulated profits by preparing revaluation account and balance sheet.
- explain the effect of change in profit sharing ratio on admission of a new partner.

**Unit 5      05.05.2025 to 16.05.2025      (09)**

**Topic      :** Retirement & Death of partnership

**Learning Outcomes :**

- explain the effect of retirement / death of a partner on change in profit sharing ratio.
- develop the understanding of accounting treatment of goodwill, revaluation of assets and re-assessment of liabilities and adjustment of accumulated profits and reserves on retirement / death of a partner.
- discuss the preparation of the capital accounts of the remaining partners and the

balance sheet of the firm after retirement / death of a partner.

**Art Integration :** Flow Chart Explaining Various Accounts

**Unit 6      19.05.2025 to 30.05.2025      (10)**

**Topic      :** Dissolution of partnership

**Learning Outcomes :**

- understand the situations under which a partnership firm can be dissolved.
- develop the understanding of preparation of realisation account and other related accounts.

**Art Integration :** Preparing different Ledger in proper formats

**Unit 7      23.06.2025 to 05.07.2025      (11)**

**Topic      :** Company accounts-Issue of shares

**Learning Outcomes :**

- state the meaning of share and share capital and differentiate between equity shares and preference shares and different types of share capital.
- understand the meaning of private placement of shares and Employee Stock Option Plan.
- explain the accounting treatment of share capital transactions regarding issue of shares.

**Art Integration :** Preparing Journal using proper formats

**Unit 8      07.07.2025 to 18.07.2025      (10)**

**Topic      :** Company accounts-Issue of shares continue

**Learning Outcomes :**

- develop the understanding of accounting treatment of forfeiture and re-issue of forfeited shares.
- describe the presentation of share capital in the balance sheet of the company as per

schedule III part I of the Companies Act 2013.

**Art Integration :** Preparing Journal using proper formats

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**Topic :** Issue of debentures

**Learning Outcomes :**

- explain the accounting treatment of different categories of transactions related to issue of debentures.
- develop the understanding and skill of writing of discount / loss on issue of debentures.
- understand the concept of collateral security and its presentation in balance sheet.
- develop the skill of calculating interest on debentures and its accounting treatment.

**Art Integration :** Preparing Journal using proper formats

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic :** Financial statement analysis,  
Tools of financial analysis,

**Learning Outcomes :**

- develop the understanding of major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet as per the prescribed norms / formats.
- state the meaning, objectives and limitations of financial statement analysis.
- discuss the meaning of different tools of 'financial statements analysis'.

**Art Integration :** Flow Chart

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Topic :** Accounting Ratio

**Learning Outcomes :**

- state the meaning, objectives and significance of different types of ratios.
- develop the understanding of computation of current ratio and quick ratio.
- develop the skill of computation of debt equity

ratio, total asset to debt ratio, proprietary ratio and interest coverage ratio.

- develop the skill of computation of inventory turnover ratio, trade receivables and trade payables ratio and working capital turnover ratio.
- develop the skill of computation of gross profit ratio, operating ratio, operating profit ratio, net profit ratio and return on investment.

**Art Integration :** Flow Chart Explaining Various Ratios

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic :** Cash Flow statement

**Unit 13 03.10.2025 to 17.10.2025 (11)**

**Topic :** Cash Flow statement continue

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic :** Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

**Topic :** Ch-1 & 2

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

**Topic :** Ch-3

**Half Yearly Exams 11.08.2025 to 25.08.2025**

**Topic :** Ch-1, 2, 3, 4, 5, 6, 7, 8

**Pre-Board-1 17.11.2025 to 28.11.2025**

**Topic :** Full Syllabus

**Pre-Board-2 15.12.2025 to 07.01.2026**

**Topic :** Full Syllabus

## BUSINESS STUDIES

**Prescribed Book :**

**Text Book-12 (NCERT)**

**Reference Books :**

1. G.S. Alag
2. Subhash Dey
3. Alka Dhawan
4. Tappan Pathak (bull's eye)

**General Objectives :**

- ❖ Student will gain knowledge, skills and experience to management and business world.

**Objectives :**

- ❖ To empower the learner to learn how to manage business, understanding importance of management and to become efficient.

**Unit 1 03.03.2025 to 15.03.2025 (08)**

**Topic :** Marketing Management

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of marketing.
- Explain the features of marketing.
- Discuss the functions of marketing.
- Explain the marketing philosophies.
- Understand the concept of marketing mix.
- Describe the elements of marketing mix.
- Understand the concept of product as an element of marketing mix.
- Understand the concept of branding, labelling and packaging.
- Understand the concept of price as an element of marketing mix.
- Describe the factors determining price of a product.
- Understand the concept of physical distribution.
- Explain the components of physical distribution.
- Describe the various channels of distribution

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts
- ◆ Role play

**Unit 2 17.03.2025 to 29.03.2025 (11)**

**Topic :** Marketing Management  
Consumer Protection



**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of promotion as an element of marketing mix.
- Describe the elements of promotion mix.
- Understand the concept of advertising.
- Understand the concept of sales promotion.
- Discuss the concept of public relation.

After going through this unit, the student would be able to :

- Understand the concept of consumer protection.
- Discuss the scope of Consumer Protection Act, 2019
- Describe the importance of consumer protection
- Understand the concept of a consumer according to the Consumer protection Act 2019.
- Explain the consumer rights
- Understand the responsibilities of consumers
- Understand who can file a complaint and against whom ?
- Discuss the legal redressal machinery under Consumer protection Act 2019.
- Examine the remedies available to the consumer under Consumer protection Act 2019.
- Describe the role of consumer organizations and NGOs in protecting consumers' interest

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 3      02.04.2025 to 19.04.2025      (11)**

**Topic      :** Principles of Management

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of principles of management.

- Explain the significance of management principles.
- Discuss the principles of management developed by Fayol.
- Explain the principles and techniques of 'Scientific Management'.
- Compare the contributions of Fayol and Taylor.

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 4      21.04.2025 to 03.05.2025      (11)**

**Topic      :** Business Environment

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of 'Business Environment'.
- Describe the importance of business environment
- Describe the various dimensions of 'Business Environment'.
- Understand the concept of Demonetization

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 5      05.05.2025 to 16.05.2025      (09)**

**Topic      :** Nature and Significance of Management  
• Project Work

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of management.
- Explain the meaning of 'Effectiveness and Efficiency.
- Discuss the objectives of management.
- Describe the importance of management.
- Examine the nature of management as a science, art and profession.

- Understand the role of top, middle and lower levels of management
- Explain the functions of management.
- Discuss the concept and characteristics of coordination.
- Explain the importance of coordination.

**Art Integration :**

- ◆ Flow charts

**Unit 6      19.05.2025 to 30.05.2025      (10)**

**Topic      :** Planning

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of planning.
- Describe the importance of planning.
- Understand the limitations of planning.
- Describe the steps in the process of planning.
- Develop an understanding of single use and standing plans.
- Describe objectives, policies, strategy, procedure, method, rule, budget and programme as type of plans.

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 7      23.06.2025 to 05.07.2025      (11)**

**Topic      :** Controlling

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of controlling.
- Explain the importance of controlling.
- Discuss the steps in the process of controlling.
- Describe the Relationship between planning and controlling

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 8      07.07.2025 to 18.07.2025      (10)**

**Topic      :** Organising

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of organizing as a structure and as a process.
- Explain the importance of organising.
- Describe the steps in the process of organizing
- Describe functional and divisional structures of organisation.
- Explain the advantages, disadvantages and suitability of functional and divisional structure.
- Understand the concept of delegation.
- Describe the elements of delegation.
- Appreciate the importance of Delegation.
- Understand the concept of decentralisation.
- Explain the importance of decentralisation.
- Differentiate between delegation and decentralization
- Understand the concept of formal and informal organisation.
- Discuss the advantages, disadvantages of formal and informal organisation.

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)**

**Topic :** Staffing

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of staffing.
- Explain the importance of staffing
- Understand the specialized duties and activities performed by Human Resource Management.
- Describe the steps in the process of staffing
- Understand the meaning of recruitment.
- Discuss the sources of recruitment.

- Explain the merits and demerits of internal and external sources of recruitment.
- Understand the meaning of selection.
- Describe the steps involved in the process of selection.
- Understand the concept of training and development
- Appreciate the importance of training to the organisation and to the employees.
- Discuss the meaning of induction training, apprenticeship training and internship training.
- Differentiate between training and development.
- Discuss on the job and off the job methods of training.

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 9 & Rev. (11)**

**Topic :** Revision for Half Yearly Exams

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic :** Directing

**Learning Outcomes :** After going through this unit, the student would be able to :

- Describe the concept of directing.
- Discuss the importance of directing.
- Describe the various elements of directing
- Understand the concept of motivation.
- Develop an understanding of Maslow's Hierarchy of needs.
- Discuss the various financial and non-financial incentives.
- Understand the concept of leadership.
- Understand the various styles of leadership.
- Understand the concept of communication
- Understand the elements of the communication process.

- Discuss the concept of formal and informal communication.
- Discuss the various barriers to effective communication.
- Discuss the remedies to overcome the barriers for effective communication.

**Art Integration :** Flow charts

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Topic :** Financial Management

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of financial management.
- Explain the role of financial management in an organisation.
- Discuss the objectives of financial management
- Discuss the three financial decisions and the factors affecting them.
- Describe the concept of financial planning and its objectives.
- Explain the importance of financial planning.
- Understand the concept of capital structure.
- Describe the factors determining the choice of an appropriate capital structure of a company.
- Understand the concept of fixed and working capital.
- Describe the factors determining the requirements of fixed and working capital

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts
- ◆ Role play

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic :** Financial Market

**Learning Outcomes :** After going through this unit, the student would be able to :

- Understand the concept of financial market.
- Understand the concept of capital market
- Understand the concept of money market.
- Explain primary and secondary markets as types of capital market.
- Differentiate between capital market and money market.
- Distinguish between primary and secondary markets.
- Give the meaning of a stock exchange.
- Explain the functions of a stock exchange.
- Discuss the trading procedure in a stock exchange.
- Give the meaning of depository services and demat account as used in the trading procedure of securities.
- State the objectives of SEBI.
- Explain the functions of SEBI.

**Art Integration :**

- ◆ Case studies
- ◆ Flow charts

**Unit 13    03.10.2025 to 17.10.2025    (11)****Topic        :** Revision**Unit 14 & Rev. 24.10.2025 to 31.10.2025    (06)****Topic        :** Revision**EXAMINATION SCHEDULE :****Periodic Asst.-1    28.04.2025 to 03.05.2025****Topic        :** Nature and Significance of Management**Periodic Asst.-2    05.07.2025 to 11.07.2025****Topic        :**

- Principles of Management
- Nature and Significance of Management
- Marketing Management
- Business environment

**Half Yearly Exams    11.08.2025 to 25.08.2025****Topic        :**

- Marketing Management

- Consumer protection
- Principles of Management
- Business environment
- Nature and Significance of Management
- Planning
- Controlling
- Organising

**Periodic Asst.-3    06.10.2025 to 14.10.2025****Topic        :** Financial Markets

Directing

Consumer Protection Act

**Pre-Board-1        17.11.2025 to 28.11.2025****Topic        :** All Chapters**Pre-Board-2        15.12.2025 to 07.01.2026****Topic        :** All Chapters**ECONOMICS (030)****Prescribed Book : Text Book NCERT****Reference Books :****Macroeconomics (Sandeep Garg)****Indian Economic Development****(Sandeep Garg)****General Objectives :**

Economics is the social science that is concerned with the production, distribution and consumption of good and services. The term economics comes from the Ancient Greek - oikonomia, "management of household, administration" from oikos, "house" + nomos, "custom" or "law", hence rules of the house(hold). Economics deals with the study of various activities of man directed towards acquisition of wealth and earning of money.

**Learning Objectives of Economics :**

- ◆ Understanding of some basic economic concepts and development of economic reasoning which the learners can apply in their day-to-day life as citizens, workers and

consumers.

- t Realisation of learners' role in nation building and sensitivity to the economic issues that the nation is facing today.
- t Equipment with basic tools of economics and statistics to analyse economic issues. This is pertinent for even those who may not pursue this course beyond senior secondary stage.
- t Development of understanding that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

**Unit 1        03.03.2025 to 15.03.2025        (08)****Topic        :** National Income and Related Aggregate**Learning Outcomes :** To understand how income generated in an economy is circulated.**Art Integration :** Flowchart : Measurement of National Income**Unit 2        17.03.2025 to 29.03.2025        (11)****Topic        :** National Income Accounting**Learning Outcomes :** To understand how National Income calculated using three methods in different sectors of an economy.**Unit 3        02.04.2025 to 19.04.2025        (11)****Topic        :** Indian Economy on the Eve of Independence**Learning Outcomes :** To understand the need of Economic development after Independence.**Art Integration :** Documentary : State of Indian Economy**Unit 4        21.04.2025 to 03.05.2025        (11)****Topic        :** Money and Banking**Learning Outcomes :**

1. To understand the evolution of money
2. To understand the role of RBI in controlling money supply.

**Art Integration :** Infographic : Evolution of Money

<p><b>Unit 5</b>      <b>05.05.2025 to 16.05.2025</b>      <b>(09)</b></p> <p><b>Topic</b> : Government Budget and the Economy</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>To understand the rationale behind preparing Government Budget</li> <li>To measure the Budget deficit and analyse its impact on Indian Economic Development</li> </ol> <p><b>Art Integration :</b></p> <ul style="list-style-type: none"> <li>Analysis : Union Budget : 2025-2026</li> </ul> <p><b>Unit 6</b>      <b>19.05.2025 to 30.05.2025</b>      <b>(10)</b></p> <p><b>Topic</b> : Indian Economy (1950-1990) Economic Reforms since 1991</p> <p><b>Learning Outcomes :</b> To interpret the cause of introduction of New Economic Reforms in 1991.</p> <p><b>Art Integration :</b></p> <ul style="list-style-type: none"> <li>PPT : Economic Reforms since 1991</li> </ul> <p><b>Unit 7</b>      <b>23.06.2025 to 05.07.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Determination of Income and Employment</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>To understand the concept of aggregate demand and supply in MacroEconomics</li> <li>To understand role the investment multiplier in the process of generation of income</li> </ol> <p><b>Art Integration :</b> Diagrammatic Presentation of Inflationary and Deflationary gap</p> <p><b>Unit 8</b>      <b>07.07.2025 to 18.07.2025</b>      <b>(10)</b></p> <p><b>Topic</b> : Determination of Income and Employment</p> <p><b>Learning Outcomes :</b> To understand the role of RBI to control inflation and deflation in an economy</p> <p><b>Unit 9 &amp; Rev.</b> <b>21.07.2025 to 02.08.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Human Capital Formation</p> <p><b>Learning Outcomes :</b> To understand the factors affecting human capital formation in India.</p>	<p><b>Art Integration :</b> Pie Diagram : Growth of Education Sector in India</p> <p><b>REVISION</b>      <b>04.08.2025 to 08.08.2025</b>      <b>(05)</b></p> <p><b>Topic</b> : Employment</p> <p><b>Learning Outcomes :</b> To be able to infer current employment situation and steps that can solve the problem of unemployment in India</p> <p><b>Art Integration :</b> Flowchart : Types of Unemployment in India and Different Steps Taken</p> <p><b>Unit 10</b>      <b>04.08.2025 to 22.08.2025</b>      <b>(14)</b></p> <p><b>Topic</b> : Rural Development</p> <p><b>Learning Outcomes :</b> To understand the socio-economic aspects which are instrumental in rural development</p> <p><b>Art Integration :</b> PPT : Rural Development</p> <p><b>Unit 11</b>      <b>25.08.2025 to 12.09.2025</b>      <b>(15)</b></p> <p><b>Topic</b> : Environment and Sustainable Development Experience of India</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>To understand the role of environment in our lives</li> <li>To examine the impact of environmental degradation and understand the importance of sustainable development</li> <li>Study and compare development of India, China, Pakistan</li> </ol> <p><b>Art Integration :</b> Poster making : Global warming</p> <p><b>Unit 12 &amp; Rev.</b> <b>15.09.2025 to 29.09.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Foreign Exchange</p> <p><b>Learning Outcomes :</b> Importance of foreign exchange in trade and determination of foreign exchange rate</p> <p><b>Art Integration :</b> Diagram Practice</p> <p><b>Unit 13</b>      <b>03.10.2025 to 17.10.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Balance of Payment</p>	<p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>To understand how BOP is important economic parameter, crucial for an economy</li> <li>To be able to interpret how it gives critical insights into a country's economic healthy, guiding policymakers in shaping effective fiscal and trade policies</li> </ol> <p><b>Art Integration :</b> Current Situations of BOP in India</p> <p><b>Unit 14 &amp; Rev.</b> <b>24.10.2025 to 31.10.2025</b> <b>(06)</b></p> <p>Revision</p> <p><b>EXAMINATION SCHEDULE :</b></p> <p><b>Periodic Asst.-1</b>      <b>28.04.2025 to 03.05.2025</b></p> <p><b>Syllabus :</b> National Income and Related Aggregates Indian Economy on the Eve of Independence</p> <p><b>Periodic Asst.-2</b>      <b>05.07.2025 to 11.07.2025</b></p> <p><b>Syllabus :</b> Money and Banking Government Budget and the Indian Economy</p> <p><b>Half Yearly Exams</b>      <b>11.08.2025 to 25.08.2025</b></p> <p><b>Syllabus :</b> National Income and Related Aggregates Indian Economy on the Eve of Independence Money and Banking Government Budget and the Indian Economy</p> <p><b>Periodic Asst.-3</b>      <b>06.10.2025 to 14.10.2025</b></p> <p><b>Syllabus :</b> Indian Economy (1950-1990) Economic Reforms since 1991 Determination of Income and Employment</p> <p><b>Pre-Board-1</b>      <b>17.11.2025 to 28.11.2025</b></p> <p><b>Syllabus :</b> Entire Syllabus</p> <p><b>Pre-Board-2</b>      <b>15.12.2025 to 07.01.2026</b></p> <p><b>Syllabus :</b> Entire Syllabus</p>
---	--	--

## GEOGRAPHY

### Prescribed Books :

1. **Fundamentals of Human Geography (NCERT)**
2. **India-People and Economy (NCERT)**
3. **Practical Geography (NCERT)**

### Rationale :

Geography is introduced as an elective subject at the senior secondary stage. After ten years of general education, students branch out at the beginning of this stage and are exposed to the rigours of the discipline for the first time. Being an entry point for the higher education, students choose geography for pursuing their academic interest and, therefore, need a broader and deeper understanding of the subject. For others, geographical knowledge is useful in daily lives of young people. Its contribution lies in the content, cognitive processes, skills and values that geography promotes and thus helps the students explore, understand and evaluate the environmental and social dimensions of the world in a better manner.

Since geography explores the relationship between people and their environment, it includes studies of physical and human environments and their interactions at different scales local, state/region, nation and the world. The fundamental principles responsible for the varieties in the distributional pattern of physical and human features and phenomena over the earth's surface need to be understood properly. Application of these principles would be taken up through selected case studies from the world and India. Thus, the physical and human environment

of India and study of some issues from a geographical point of view will be covered in greater detail. Students will be exposed to different methods used in geographical investigations.

### Objectives :

The course in geography will help learner :

- ❖ Familiarise with key concepts and principles of Geography
- ❖ Describe locations and correlate with Geographical Perspectives
- ❖ List/describe what students might see, hear, and smell at a glance.
- ❖ List/describe ways a place is linked with other places.
- ❖ Compare conditions and connections in one place to another.
- ❖ Describe and interpret the spatial pattern features on a thematic map.
- ❖ Search for, recognize and understand the processes and patterns of the spatial arrangement of the natural features as well as human aspects and phenomena on the earth's surface.
- ❖ Understand and analyse the interrelationship between physical and human environments and utilize such knowledge in reflecting on issues related to community.
- ❖ Apply geographical knowledge and methods of inquiry to emerging situations or problems at different levels-local, regional, national and global.
- ❖ Develop geographical skills, relating to collection, processing and analysis of spatial data/information and preparation of report including maps and graphs and use of computers where ever possible, and to be sensitive to issues.

### Book-1

**Unit 1**      **03.03.2025 to 15.03.2025**      **(08)**

**Topic**      : **Book 1**

Ch-1 Human Geography

Ch-2 The World Population

**Practical** : Data-It's sources and compilation

### Learning outcomes :

Ch-1. (i) Students will acquainted with the important branches of geography (ii) Students will be able to recall the link of human geography with the mother discipline i.e. Geography.

Ch-2. (i) Students will be able to know the number of men and women a country has, number of children are born each year, number of people die and the reasons of their death. (ii) They will know whether they live in villages or cities, their literacy rates, work they do.

### Art Integration/Activities :

1. Group discussion on 'Naturalization of Humans' and 'Humanization of Nature'.
2. Interactive session on 'Factors influencing the distribution and density of population in the world.'

**Unit 2**      **17.03.2025 to 29.03.2025**      **(11)**

**Topic**      : Ch-3 Human Development

**Practical** : Data-It's sources and compilation

### Learning outcomes :

Ch-3. (i) Students will be able to differentiate growth & development.  
(ii) They will be able to understand the concept of human development in relation to nations and communities.

### Art Integration/Activities :

2. A 5-minute role play to show how choices are limited due to lack of capability in areas of either income, education or health.



<p><b>Unit 3</b>      <b>02.04.2025 to 19.04.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Ch-4 Primary Activities Ch-5 Secondary Activities</p> <p><b>Practical</b> : Data Processing</p> <p><b>Learning outcomes :</b></p> <p>Ch-4. Students will become familiar with various primary activities and will be able to compare and differentiate them with regions they are practiced in.</p> <p>Ch-5. (i) Students will know about locating factors of industries. (ii) They will be able to classify manufacturing industries on the basis of raw material used, ownership, and size.</p> <p><b>Art Integration/Activities :</b></p> <ol style="list-style-type: none"> <li>1. Map Activity : On the world map, locate areas of nomadic herding, commercial livestock rearing, subsistence gathering, extensive commercial grain farming, mixed farming</li> <li>2. Class discussion on 'bio-degradable Vs non-biodegradable and which kind of material is better to use and why ?'</li> </ol> <p><b>Unit 4</b>      <b>21.04.2025 to 03.05.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Ch-6 Tertiary and Quaternary Activities</p> <p><b>Practical</b> : Data Processing</p> <p><b>Learning outcomes :</b></p> <p>Ch-6. (i) Students will get to know how tertiary activities are related to the service sector and manpower is an important component of the service sector.</p> <p>(ii) They will be able to differentiate tertiary, secondary, quaternary and Quinary activities with examples of each.</p> <p><b>Art Integration/Activities :</b></p> <ul style="list-style-type: none"> <li>• Practical work (choropleth map, Dot map, Bar diagram, linear graph, composite bar diagram and pie-chart)</li> </ul>	<p><b>Unit 5</b>      <b>05.05.2025 to 16.05.2025</b>      <b>(09)</b></p> <p><b>Topic</b> : Ch-7 Transport and Communication</p> <p><b>Learning outcomes :</b></p> <p>Ch-7. (i) Students will be able to understand as to how transport provides the network of links and carriers through which trade takes place. (ii) They will be able to recall some notable transcontinental railways, inland waterways, pipelines and sea routes in the world.</p> <p><b>Art Integration/Activities :</b> Map Activity : On the world map, locate terminal stations of trans-Siberian, Canadian, Australian railways, Suez Canal, Panama Canal, Rhine waterway, St. Lawrence seaway, Major airports and seaport (listed in CBSE chapter wise list of map items),</p> <p><b>Unit 6</b>      <b>19.05.2025 to 30.05.2025</b>      <b>(10)</b></p> <p><b>Topic</b> : Ch-8 International Trade</p> <p><b>Practical</b> : Geographical representation of data</p> <p><b>Learning outcomes :</b></p> <p>Ch-8. (i) Students will become familiar with history, aspects, basis and types of international trade (ii) They will know that WTO is the only international organization dealing with the global rules of trade between nations.</p> <p><b>Book-2</b></p> <p><b>Unit 7</b>      <b>23.06.2025 to 05.07.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Ch-1 Population, Distribution, Density &amp; Composition</p> <p><b>Learning outcomes :</b></p> <p>Ch-1. Students will get to know the patterns of distribution, density, growth and composition of India's population.</p> <p><b>Art Integration/Activities :</b></p> <ol style="list-style-type: none"> <li>1. Map Activity (State with highest and lowest density in India)</li> </ol>	<p><b>Unit 8</b>      <b>07.07.2025 to 18.07.2025</b>      <b>(10)</b></p> <p><b>Topic</b> : Ch-2 Human Settlement Ch-3 Land, Resources and Agriculture</p> <p><b>Learning outcomes :</b></p> <p>Ch-2. Students will learn about types of rural settlement, evolution of towns and urbanization in India.</p> <p>Ch-3. (i) Students will be able to recall the land-use categories in India, common property resources, cropping seasons and crops grown and problems of Indian agriculture. (ii) They will learn the strategies for agricultural development after independence in India.</p> <p><b>Art Integration/Activities :</b></p> <ol style="list-style-type: none"> <li>1. Map Activity (Leading producing states of Rice, Wheat, Cotton, Sugarcane, Jute, Tea, and coffee)</li> </ol> <p><b>Unit 9 &amp; Rev. 21.07.2025 to 02.08.2025</b>      <b>(11)</b></p> <p><b>Topic</b> : Ch-4 Water Resources Ch-5 Mineral and Energy Resources</p> <p><b>Learning outcomes :</b></p> <p>Ch-4. Students will learn about water resources in India and its demand and utilization. (ii) They will become familiar with emerging water problems in India and its management and conservation techniques.</p> <p>Ch-5: Students will become familiar with the availability of various types of mineral and energy resources in India. (ii) They will be able to suggest some ways to conserve mineral resources for sustainable development.</p> <p><b>Art Integration/Activities :</b></p> <ol style="list-style-type: none"> <li>1. Class discussion on 'water crisis &amp; ways and means of water conservation'</li> <li>2. Map Activity: iron-ore mines (Mayurbhanj)</li> </ol>
--	--	--



Bailadila, Ratnagiri, Bellary) Manganese mines(Balaghat, Shimoga), Copper mines (Hazaribagh, , Khetri, Singhbhum), Bauxite Mines (Katni, Bilaspur, Koraput) Coal mines (Jharia, Bokaro, Raniganj, Neyvali) Oil Refinery (Mathura, Jamnagar, Baruni)

**Unit 10 04.08.2025 to 22.08.2025 (14)**

**Topic** : Ch-6 Planning and sustainable Development

**Learning outcomes :**

Ch-6. Students will become familiar with the term 'Planning' and 'Sustainable Development' in Indian context with help of case studies on Indira Gandhi Canal Command Area and Integrated Tribal Development Project in Bharmaur Region

**Unit 11 25.08.2025 to 12.09.2025 (15)**

**Topic** : Ch-7 Transport and Communication  
Ch-8 International Trade

**Learning outcomes :**

Ch-7. In this chapter, students will learn about the main means of transportation in India and will be able to highlight their importance in the economic development of our country.

Ch-8. (i) Students will learn about changing patterns of India's trade.

(ii) They will learn about the role of sea ports as gateways of India's international trade.

**Art Integration/Activities :**

**Map Activity:** Major seaports, Kandla, Mumbai, Marmagao, Kochi, Mangalore, Tuticorin, Chennai, Vishakhapatnam, Haldia, Paradwip, International Airports : Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Delhi, Guwahati, Amritsar, Hyderabad, Thiruvananthapuram

**Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)**

**Topic** : Ch-9 Geographical Perspective on Selected Issues and Problems

**Learning outcomes :** Students will learn about types and sources of pollution. problems of slums, land degradation and will be able to suggest measures them.

**Unit 13 03.10.2025 to 17.10.2025 (11)**

**Topic** : Revision

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic** : Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

**Topic** : Book-1 : Ch-1, 2, 4, 5

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

**Topic** : Book-1 : Ch-6, 7, 8, 9

**Periodic Asst.-3 06.10.2025 to 14.10.2025**

**Topic** : Book-2 Ch-1 to 5

**Half Yearly Exams 11.08.2025 to 25.08.2025**

**Topic** : Book-1 Ch-1 to 10

**Pre-Board-1 17.11.2025 to 28.11.2025**

**Topic** : Unit-1 to 13

**Pre-Board-2 15.12.2025 to 07.01.2026**

**Topic** : Unit-1 to 13

**Final Practicals :**

**Topic** : Book-3 All units

## POLITICAL SCIENCE (028)

**Prescribed Book :**

1. Contemporary World Politics (NCERT)
2. Politics in India Since Independence (NCERT)

**Book-1**

**Unit 1 03.03.2025 to 15.03.2025 (08)**

**Topic** : Ch-1 The End of Bipolarity  
Ch-2 Contemporary centers of Power

**Learning outcomes :**

Ch-1 : Students will be able to identify the basic features of the soviet system, consequences of unipolar world.

Ch-2: Students will be able to compare and contrast the Importance of EU, ASEAN, SAARC, BRICS

**Activities:**

Ch-1 : Analysis of relevant newspaper articles. (visual resource)

Ch-2 : Use of timeline and PPT (Use of Media)

**Unit 2 17.03.2025 to 29.03.2025 (11)**

**Topic** : Ch-3 Contemporary South Asia  
Ch-4 United Nations and its organizations

**Learning outcomes :**

Ch-3 : Students will be able to identify and locate the 7 countries of South Asian region

Ch-4 : Students will be able to define the international organization and understand the need for reforms in UNO

**Activities:**

Ch-3 : Map Activity and Quiz (Use of color in map)

Ch-4 : Debate on necessary reforms of the UN and UNO Organs Name (Collage making)

**Unit 3 02.04.2025 to 19.04.2025 (11)**

**Topic** : Ch-5 Security in the Contemporary World  
Ch-6 Environment and Natural Resources

**Learning outcomes :**

Ch-5 : Students will be able to recognize the cause of security threats and the roles of various stakeholders in ensuring security today

Ch-6: Students will be able to enlist & explain the facts related to global environmental issues

**Activities :**

Ch-5 : Research on New sources of threats. (man-

made threats)  
Ch-6 : Newspaper Activity and slogan writing  
(objects of day-to-day)

**Unit 4** 21.04.2025 to 03.05.2025 (11)

**Topic** : Ch-7 Globalization

**Learning outcomes** : Students will be able to  
Critically evaluate the significance of  
Globalization

**Activities** : GD on positive and negative impact of  
globalization. (making of fusion foods like  
pizza dosa)

**Unit 5** 05.05.2025 to 16.05.2025 (09)

**Topic** : BOOK-02

Ch-1 Challenges of Nation  
Building

**Learning outcomes** : Students will be able to  
Describe the factors that led to the partition of  
India and evaluate the role played by leaders  
in Nation building

**Activity** : Documentaries and Speech of  
parliament (Classroom exhibition)

**Unit 6** 19.05.2025 to 30.05.2025 (10)

**Topic** : Ch-2 Era of One Party Dominance

**Learning outcomes** : Students will be able to  
assess the dominance the Indian Congress  
from 1952 to 1967

**Activity** : Poster making on Political Party

**Unit 7** 23.06.2025 to 05.07.2025 (11)

**Topic** : Ch-3 Politics of Planned  
Development

**Learning outcomes** : Students will be able to  
understand the emergence aims and  
objectives of the first two 5 year plans and  
replacement of planning commission by NITI  
Ayog.

**Activities:** Comparative analysis on chart paper

**Unit 8** 07.07.2025 to 18.07.2025 (10)

**Topic** : Ch-4 India's External Relations

**Learning outcomes** : Students will be able to  
understand Recognize the significance of  
NAM and demonstrate knowledge on Indo  
Pak Wars.

**Activity** : Research and Report writing

**Unit 9 & Rev.** 21.07.2025 to 02.08.2025 (11)

**Topic** : Ch-5 Challenges and restoration  
of the congress system

**Learning outcomes** : Students will be able to  
understand the challenges of political  
succession after Nehru

**Activity** : Timeline making and map

**Unit 10** 04.08.2025 to 22.08.2025 (14)

**Topic** : Ch-5 Challenges and restoration  
of the congress system

**Learning outcomes** : Students will be able to  
Summarize the initiative taken by Indira  
Gandhi to overcome the challenges faced by  
her.

**Activity** : GD on political succession and  
short note

**Unit 11** 25.08.2025 to 12.09.2025 (15)

**Topic** : Ch-6 Challenges and restoration  
of the congress system

**Learning outcomes** : Students will be able to  
Examine the lessons of emergency period  
and evaluate Janata govt.

**Activity** : Quiz and video on emergency

**Unit 12 & Rev.** 15.09.2025 to 29.09.2025 (11)

**Topic** : Ch-7 Regional Aspirations

**Learning outcomes** : Students will be able to  
discuss the implication of regional demands.

**Activity** : Map of undivided India and map of  
state labeled

**Unit 13** 03.10.2025 to 17.10.2025 (11)

**Topic** : Ch-8 Recent Development of  
Indian Politics

**Learning outcomes** : Students will be able to

trace the raise and growth of BJP and coalition  
Govt. (NDA and UPA)

**Activity** : Time line of Prime Ministers with  
their pictures.

**Unit 14 & Rev.** 24.10.2025 to 31.10.2025 (06)

**Topic** : Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1** 28.04.2025 to 03.05.2025

**Topic** :

**Periodic Asst.-2** 05.07.2025 to 11.07.2025

**Topic** :

**Half Yearly Exams** 11.08.2025 to 25.08.2025

**Topic** :

**Periodic Asst.-3** 06.10.2025 to 14.10.2025

**Topic** :

**Pre-Board-1** 17.11.2025 to 28.11.2025

**Topic** :

**Pre-Board-2** 15.12.2025 to 07.01.2026

**Topic** :

## PSYCHOLOGY

**Books recommended :**

**Psychology Text Book-12 (NCERT)**

**Learning Objectives :**

- ❖ To develop appreciation about human mind and behavior in the context of learners' immediate society and environment.
- ❖ To develop in learners a appreciation of the nature of psychological knowledge and its application to various aspects of life.
- ❖ To enable learners to become perspective, socially aware and self-reflective.
- ❖ To facilitate students' quest for personal growth and effectiveness, and to enable them to become responsive and responsible citizens.

<p><b>Unit 1      03.03.2025 to 15.03.2025      (08)</b>  <b>Theory</b> : Individual Differences in Human Functioning  Assessment of Psychological Attributes.</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners should comprehend the concept of variations in psychological attributes, recognizing the diverse range of traits and characteristics among Individuals</li> <li>2. Learners should develop the skills to assess psychological attributes, ensuring they can employ appropriate tools and methodologies for accurate evaluations.</li> </ol> <p><b>Art Integration/Lab Activity : Practical-1 :</b>  Introduction, Conduction, Scoring and Interpretation of RSPM</p> <p><b>Unit 2      17.03.2025 to 29.03.2025      (11)</b>  <b>Theory</b> : Intelligence and Theories of Intelligence  Individual Differences in Intelligence</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners will comprehend and differentiate between key intelligence theories and gain an understanding of the diverse perspectives these theories offer regarding the nature and components of human intelligence</li> <li>2. Learners will develop an awareness of the factors contributing to individual differences in intelligence.</li> </ol> <p><b>Unit 3      02.04.2025 to 19.04.2025      (11)</b>  <b>Theory</b> : Culture and Intelligence.  Emotional Intelligence.  Special Abilities and Creativity.</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners will understand the impact of culture on intelligence, exploring how cultural</li> </ol>	<p>contexts influence cognitive processes and problem-solving strategies</p> <ol style="list-style-type: none"> <li>2. Learners will grasp the dimensions of emotional intelligence, emphasizing awareness, interpersonal skills, and resilience for overall success and wellbeing.</li> <li>3. Learners will recognize unique talents in special abilities and creativity, exploring how these contribute to human expression and problem-solving across different domains.</li> </ol> <p><b>Unit 4      21.04.2025 to 03.05.2025      (11)</b>  <b>Theory</b> : Self and Personality.  Concept of self  Cognitive and Behavioural aspects of Self  Culture and Self</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners explore the self, understanding how identify and beliefs evolve, Examine the psychological components shaping and maintaining self-concept over time.</li> <li>2. Learners analyze cognitive behavioral dimensions, understanding how thoughts and actions influence self-perception, including different aspects of self.</li> <li>3. Learners navigate the interplay of culture and self, examining how cultural contexts shape identify and exploring cultural diversity's impact on perspective.</li> </ol> <p><b>Art Integration/lab Activity : Practical-2 :</b>  Introduction, Conduction, Scoring and Interpretation of MPI.</p> <p><b>Unit 5      05.05.2025 to 16.05.2025      (09)</b>  <b>Theory</b> :  <ul style="list-style-type: none"> <li>• Concept of Personality</li> <li>• Major Approaches to the Study of Personality</li> <li>• Assessment of Personality</li> </ul> <b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners explore the concept of personality,</li> </ol>	<p>delving into identity, traits, and behavior. They understand how personal experiences and social interactions shape their unique character.</p> <ol style="list-style-type: none"> <li>2. Learners examine key approaches in personality study, including psychodynamic, humanistic, and trait perspectives. They gain insights into how these theories elucidate the complexities of human behavior.</li> <li>3. Learners engage in the assessment of personality, acquiring skills in utilizing various tools and methodologies. They understand the significance of personality assessment in psychology and its applications in diverse contexts.</li> </ol> <p><b>Unit 6      19.05.2025 to 30.05.2025      (10)</b>  <b>Theory</b> :  <ul style="list-style-type: none"> <li>• Nature, Types of stress</li> <li>• Sources of stress</li> <li>• Effects of stress</li> <li>• Coping with stress</li> <li>• Promoting positive health and Wellbeing</li> </ul> <b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners explore the nature and various types of stress, understanding its psychological and psychological aspects. They recognize stressors that impact daily life and wellbeing.</li> <li>2. Learners examine diverse sources of stress, including environmental, work-related, and personal factors. They identify how these sources contribute to individual stress experiences.</li> <li>3. Learners comprehend the effects of stress on physical and mental health. They explore the interconnected impact of stress on cognitive function, emotions and overall wellbeing.</li> <li>4. Learners acquire coping strategies for</li> </ol>
---	---	--

<p>managing stress, exploring adaptive mechanisms and resilience-building techniques. They understand how to navigate and mitigate the challenges posed by stressors.</p> <p>5. Learners engage in promoting positive health by understanding the relationship between stress and well-being. They explore holistic approaches including mindfulness and self care practices, to foster a healthy lifestyle.</p> <p><b>Art Integration/Lab Activity : Practical-3 :</b> Introduction, Conduction, Scoring and Interpretation of AISS</p> <p><b>Unit 7      23.06.2025 to 05.07.2025      (11)</b></p> <p><b>Theory :</b></p> <ul style="list-style-type: none"> <li>• Concept of abnormality and Psychological Disorders.</li> <li>• Classification of Psychological disorders.</li> </ul> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners explore abnormality and psychological disorders, understanding deviations from typical behavior. They grasp criteria for diagnosis and distinguish normal variations from clinically significant issues.</li> <li>2. Learners study the classification of psychological disorders. They understand how this aids diagnosis, treatment planning, and communication among mental health professionals.</li> </ol> <p><b>Art Integration/Lab Activity :</b></p> <ol style="list-style-type: none"> <li>1. <b>Case Study :</b> Development of case profile on a chosen psychological disorder and in-depth study using appropriate methods like interview, observation &amp; psychological tests.</li> <li>2. <b>Practical-4 :</b> Introduction, Conduction, Scoring and Interpretation of SCAT</li> </ol> <p><b>Unit 8      07.07.2025 to 18.07.2025      (10)</b></p> <p><b>Theory :</b> Factors underlying Abnormal</p>	<p>behaviour.</p> <p>Major Psychological disorders</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners examine factors contributing to abnormal behavior, exploring biological, psychological and social influences. They understand the complexity of these factors in shaping mental health.</li> <li>2. Learners delve into major psychological disorders and grasp the key features and prevalence of each disorders.</li> </ol> <p><b>Unit 9 &amp; Rev. 21.07.2025 to 02.08.2025      (11)</b></p> <p><b>Theory :</b></p> <ul style="list-style-type: none"> <li>• Nature and process of Psychotherapy</li> <li>• Types of therapies</li> </ul> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners explore and grasp fundamental principles guiding the psychotherapeutic journey.</li> <li>2. Learners examine therapeutic approaches distinct techniques, goals and theoretical foundations in each modality.</li> </ol> <p><b>Art Integration/lab Activity :</b></p> <p><b>Unveiling Therapeutic Techniques Activity</b> Embark on the brief therapy sessions embodying assigned approaches(e.g.) cognitive behavioral, psychodynamic). Explore how diverse therapeutic method cater to different client needs. Witness first hand the dynamic interplay between therapist and client, unraveling the artistry behind each approach. Delve into post-session discussion, discussing the nuanced strength and limitations that shape the therapeutic landscape.</p> <p><b>Unit 10      04.08.2025 to 22.08.2025      (14)</b></p> <p><b>Theory :</b></p> <ul style="list-style-type: none"> <li>• Types of therapies (continue)</li> </ul>	<ul style="list-style-type: none"> <li>• Rehabilitation of the mentally ill.</li> </ul> <p><b>Learning Outcomes :</b> Learners explore the rehabilitation of the mentally ill, understanding holistic approaches to support individuals in their recovery journey. They examine therapeutic interventions, community integration, and the role of rehabilitation fostering mental health and well-being.</p> <p><b>Unit 11      25.08.2025 to 12.09.2025      (15)</b></p> <p><b>Theory :</b></p> <ul style="list-style-type: none"> <li>• Nature and components of attitude</li> <li>• Attitude formation and change</li> <li>• Attitude-behavior relationship</li> <li>• Prejudice and discrimination</li> <li>• Strategies for handling Prejudice</li> </ul> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Learners dissect attitude, exploring their components and impact on thoughts and behaviors.</li> <li>2. Learners study attitude development and modification, examining influential factors and strategies.</li> <li>3. Learners investigate the complex link between attitude and behavior in social contexts.</li> <li>4. Learners examine bias origins and societal impact, understanding psychological and social implications.</li> <li>5. Learners explore proactive approaches to tackle to prejudice, fostering awareness and inclusivity in diverse settings.</li> </ol> <p><b>Art Integration/lab Activity : Practical 5:</b> Introduction to SAS, Conduction, Scoring and Interpretation.</p> <p><b>Unit 12 &amp; Rev. 15.09.2025 to 29.09.2025      (11)</b></p> <p><b>Theory :</b></p> <ul style="list-style-type: none"> <li>• Social Influence and group processes</li> <li>• Nature and formation of groups</li> </ul>
--	--	--



- Type of groups
- Influence of group on individual behaviour

**Learning Outcomes :**

1. Learners explore how individuals influence and are influenced by groups in societal context.
2. Learners examine the psychology behind group formation and identification.
3. Learners study how groups shape individual behavior through conformity and norms.

**Art Integration/Lab Activity :**

**Group Influences Activity :** Explore the impact of group dynamics on risk-taking behavior. Discuss Scenarios where individuals may engage in risky actions due to peer pressure or conformity. Analyze the psychological factors at play and how group influence contribute to decision-making in potentially hazardous situations.

**Unit 13 03.10.2025 to 17.10.2025 (11)**

**Topic :** Revision

**Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**

**Topic :** Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 28.04.2025 to 03.05.2025**

**Topic :** Ch-1

**Periodic Asst.-2 05.07.2025 to 11.07.2025**

**Topic :** Ch-1 and 2

**Half Yearly Exams 11.08.2025 to 25.08.2025**

**Topic :** Ch-1 to 4

**Periodic Asst.-3 06.10.2025 to 14.10.2025**

**Topic :** Ch-5 and 6

**Pre-Board-1 17.11.2025 to 28.11.2025**

**Topic :** Ch-1 to 7

**Pre-Board-2 15.12.2025 to 07.01.2026**

**Topic :** Ch-1 to 7

## MASS MEDIA STUDIES

**Prescribed Book :** CBSE Resource Material

**Unit 1 03.03.2025 to 15.03.2025 (08)**

**Topic : Ch-1 Advertisement Concept & Process (U-1)**

1. Product
2. Specifications
3. Targeting
4. Buyers

**Learning Outcomes :**

1. The learners will get to understand the concept and evolution of advertising.
2. Focus on aspects related to the benefits of advertising such as their career in advertising etc.
3. Understand the process of advertising and special purpose of advertisement.

**Art Integration :** AD Campaign

**Unit 2 17.03.2025 to 29.03.2025 (11)**

**Topic : Ch-2 Functions of Advertising**

1. Promotion of product
2. Drive sales
3. Build a brand identity
4. Increase the buzz

**Learning Outcomes :**

1. Demonstrate and understanding of the overall role of advertisement in the business world.
2. Develop understanding of advertising strategies and budget

**Art Integration :**

- Group discussion
- Mind map

**Unit 3 02.04.2025 to 19.04.2025 (11)**

**Topic : Ch-3 Types of Advertising**

1. Print
2. OOH
3. Broadcast advertising-

4. In film promos
5. Celebrity endorsements
6. Cross promotions
7. Merchandise
8. Covert advertising

**Learning Outcomes :**

1. Identify and understand the various advertising media
2. Understand the factors determining advertising media
3. Print-newspapers, magazines, brochures, fliers, posters
4. OOH-billboards, kiosks, tradeshow events
5. Broadcast advertising - Radio, TV, digital Internet + mobile

**Art Integration :** Mind Map

**Unit 4 21.04.2025 to 03.05.2025 (11)**

**Topic : Forms of Advertising**

1. Product Advertising
2. Institutional Advertising (Corporate)
3. Social Service- PSA Advocacy Advertising
4. Comparative Advertising Cooperative Advertising Direct Mail.
5. A Point-of-Purchase Advertising.
6. Informational Advertising

**Learning Outcomes :**

1. Analyse the format and structure of advertising
2. Able to differentiate between information advertising and telling advertising between the ethical, economics legal, cultural and historical dimensions of advertisement in a global society
3. Students will get familiar with difference type of Advertising
4. Learn to evaluate the best suited form of advertise independent upon several factors

<p><b>Unit 5</b>      <b>05.05.2025 to 16.05.2025</b>      <b>(09)</b></p> <p><b>Topic</b>      : <b>Unit-2 : Introduction to Production Process</b></p> <p><b>Ch-1 Film</b></p> <ol style="list-style-type: none"> <li>1. Pre-shooting stage</li> <li>2. Shooting Stage</li> <li>3. Post-shooting stage</li> </ol> <p><b>Ch-2 : TV</b></p> <ol style="list-style-type: none"> <li>1. Pre-shooting stage</li> <li>2. Shooting Stage</li> <li>3. Post-shooting stage</li> </ol> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Students will gain basic understanding of film</li> <li>2. Develop and understanding of film language and terminology</li> <li>3. Students will be able to know the articulation of a film content from and structure</li> <li>4. Develop theoretical understanding of reproduction and post production stage of program production</li> <li>5. Students will be able to know the elements of required for TV show</li> <li>6. Analyse the various generals of TV production such as long form drama, talk shows, unscripted TV etc</li> </ol> <p><b>Art Integration :</b></p> <ul style="list-style-type: none"> <li>• Group discussion</li> <li>• Case study</li> <li>• Mind map</li> <li>• Flow chart</li> </ul>	<p>practicals only. No question to be asked in theory examination from this portion.</p> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. Students will be able to differentiate between different types of print media</li> <li>2. Know the history of newspaper in India</li> <li>3. Learn about the five main departments of newspaper and the department to work of the newspaper organisation</li> <li>4. Understand about the main source of research for daily newspaper</li> <li>5. Students will understand overall structure of commercial radio</li> <li>6. Will get to know about the genres of radio shows</li> <li>7. Define how radio shows are used today</li> <li>8. Will develop the understanding about the basic elements of radio production such as sound quality, special sound, accents etc.</li> <li>9. Will develop the basic understanding about the principles of radio shows</li> </ol> <p><b>Art Integration :</b></p> <ul style="list-style-type: none"> <li>• Group discussion</li> <li>• Mind map</li> <li>• Flow chart</li> </ul>	<p>sorting and filter etc</p> <ol style="list-style-type: none"> <li>5. How to work on PowerPoint such as to make a PPT using ruler bar for making presentations</li> </ol> <p><b>Art Integration :</b></p> <ul style="list-style-type: none"> <li>• Group discussion on Sources of Motivation</li> <li>• Data in form of table or questionnaire</li> <li>• PPT</li> <li>• Excel</li> <li>• Email Writing</li> </ul> <p><b>Unit 9 &amp; Rev. 21.07.2025 to 02.08.2025</b>      <b>(11)</b></p> <p><b>Topic</b>      : <b>Ch-5 Internet</b></p> <ol style="list-style-type: none"> <li>1. Planning, creating and delivering to be assessed in practicals only. No question to be asked in theory examination from this portion.</li> </ol> <p><b>Learning Outcomes :</b></p> <ol style="list-style-type: none"> <li>1. To know about the importance of web pages.</li> <li>2. Learn about the website designing and collaboration etc.</li> <li>3. To know various processes and steps involved into eating the web pages.</li> <li>4. Student will learn about the process of website planning and the use of Technology.</li> </ol>
<p><b>Unit 6</b>      <b>19.05.2025 to 30.05.2025</b>      <b>(10)</b></p> <p><b>Topic</b>      : Revision</p> <p><b>Unit 7</b>      <b>23.06.2025 to 05.07.2025</b>      <b>(11)</b></p> <p><b>Topic</b>      : <b>Ch-3 Print</b></p> <ol style="list-style-type: none"> <li>1. Planning, writing, editing, designing</li> </ol> <p><b>Ch-4 Radio :</b></p> <ol style="list-style-type: none"> <li>1. Planning, recording, editing, transmission, editing, designing. To be assessed in</li> </ol>	<p><b>Unit 8</b>      <b>07.07.2025 to 18.07.2025</b>      <b>(10)</b></p> <p><b>Topic</b>      : <b>Employability Skills</b></p> <ul style="list-style-type: none"> <li>• Self Management skills</li> <li>• Information and Communication Technology</li> </ul> <p><b>Learning Outcomes : Self management skills</b></p> <ol style="list-style-type: none"> <li>1. Students will be able to describe the factors influencing self motivation</li> <li>2. Will be able to describe the basic personality traits</li> <li>3. Learn how personality influence others</li> <li>4. Learn how to work in spreadsheets, how to create a new worksheet recessing fonts and styles copying and moving the cell data use of</li> </ol>	<p><b>Unit 10</b>      <b>04.08.2025 to 22.08.2025</b>      <b>(14)</b></p> <p><b>Topic</b>      : <b>Convergence and the New Possibilities of Communication</b></p> <ol style="list-style-type: none"> <li>1. Internet as the meeting point of all the mass media.</li> <li>2. Broadcasting</li> <li>3. Mass communication model of a few transmitting to a vast number of receivers.</li> <li>4. Gigantic organization.</li> <li>5. Huge technical infra-structure</li> <li>6. Large scale revenue.</li> <li>7. The changed paradigm due to the Internet.</li> <li>8. Empowering an individual to post data on the Internet.</li> <li>9. Information, message in one medium</li> </ol>



- triggering off activity in the others.
10. Many sources of the same information.
  11. Distribution of the information between individuals on an unprecedented global scale.
  12. Rapidity of opinion generation on a local, national and global scale.
  13. The socio-political implications of the new information order.
  14. The strengthening of democracy.
  15. Emerging trends in Mass Communication

#### **Learning Outcomes :**

1. Students will learn about the recently develop end-to-end training procedures offer new ways to jointly optimize the components of a communication system.
2. Students will learn the emerging application fields of communication technology, e.g. smart cities or Internet of things, machine learning methods are of central importance.

#### **Art Integration :**

1. Group discussion
2. Mind map
3. Flow chart

**Unit 11      25.08.2025 to 12.09.2025      (15)**

**Topic        : Ch-3 : Print**

- Contributions made by Reporter, Sub-editor, Editor

#### **Ch-4 Radio :**

- Contributions made by artist, spaker, interviewer, recordist, programme producer, station director, Recording for Radio-To be assessed in practicals only. No question to be asked in theory examination from this portion.

#### **Ch-5 Internet :**

- Contributions made by writer, conceptualizer, editor, designer, Role of an editor in internet To be assessed in practicals only. No question to be asked in theory examination from this

portion.

#### **Learning Outcomes :**

##### **Print media**

1. Students will learn about the main activities of the editorial team
2. Will develop the understanding about the role of reporters and editors
3. Would be able to differentiate between headlines news report, features editorials
4. Will develop the knowledge about the creative team of a newspaper department and their responsibilities

##### **Radio**

5. Know about radio channels and station manager
6. Will learn about the Genre of radio
7. Develop insight about the work of radio jockeys
8. Will be able to demonstrate their knowledge about how audio Technology has changed

##### **Internet**

9. Will be able to know the role of conceptualizer, writer, editor, designer in website making

#### **Art Integration :**

1. Group discussion
2. Mind map
3. Flow chart
4. Case study/Questionnaire
5. Chart Poster or Drawing Group Discussion
6. Case Study

**Unit 12 & Rev. 15.09.2025 to 29.09.2025      (11)**

**Topic        : Employability Skills**

- Entrepreneurial Skills
- Green Skills
- Communication Skills

#### **Learning Outcomes :**

##### **Entrepreneur development skills -**

1. Understand about the entrepreneurship and

the barriers to become an entrepreneur

2. Will be able to demonstrate the behavioral and entrepreneurial competencies

##### **Green skills -**

1. Understand the concept of green skills
2. How important is green skills in different sectors
3. Will learn about the role of green jobs in protecting ecosystem

##### **Communication skills -**

1. Students will learn how to communicate and business language
2. Learn the effective way of communication like how ethically one can converse
3. Will learn about the importance of active listening at workplace
4. Will be able to demonstrate the basic official writing skills

#### **Art Integration :**

1. Questionnaire
2. Poster
3. Games
1. (Poster) on active listening

**Unit 13      03.10.2025 to 17.10.2025      (11)**

**Topic        : Revision**

**Unit 14 & Rev. 24.10.2025 to 31.10.2025      (06)**

**Topic        : Revision**

#### **EXAMINATION SCHEDULE :**

**Periodic Asst.-1      28.04.2025 to 03.05.2025**

**Syllabus : Unit 1**

**Periodic Asst.-2      05.07.2025 to 11.07.2025**

**Syllabus : Unit 1 & 2**

**Half Yearly Exams   11.08.2025 to 25.08.2025**

**Syllabus : Unit 1, 2, 3**

**Periodic Asst.-3      06.10.2025 to 14.10.2025**

**Syllabus : Unit 4**

**Pre-Board-1         17.11.2025 to 28.11.2025**

**Syllabus : WHOLE BOOK**

**Pre-Board-2** 15.12.2025 to 07.01.2026  
**Topic** : WHOLE BOOK

## PHYSICAL EDUCATION

**Prescribed Book :**

<b>Unit 1</b>	<b>03.03.2025 to 15.03.2025</b>	<b>(08)</b>
<b>Topic</b>	: Block Teaching	
<b>Unit 2</b>	<b>17.03.2025 to 29.03.2025</b>	<b>(11)</b>
<b>Topic</b>	: Block Teaching	
<b>Unit 3</b>	<b>02.04.2025 to 19.04.2025</b>	<b>(11)</b>
<b>Topic</b>	: Physical education and sports for CWSN	
<b>Unit 4</b>	<b>21.04.2025 to 03.05.2025</b>	<b>(11)</b>
<b>Topic</b>	: Children and Women sports, Yoga and lifestyle	
<b>Unit 5</b>	<b>05.05.2025 to 16.05.2025</b>	<b>(09)</b>
<b>Topic</b>	: Test and Measurement in sports	
<b>Unit 6</b>	<b>19.05.2025 to 30.05.2025</b>	<b>(10)</b>
<b>Topic</b>	: Planning in sports, Sports nutrition	
<b>Unit 7</b>	<b>23.06.2025 to 05.07.2025</b>	<b>(11)</b>
<b>Topic</b>	: Physiology and injuries in sports	
<b>Unit 8</b>	<b>07.07.2025 to 18.07.2025</b>	<b>(10)</b>
<b>Topic</b>	: Biomechanic and sports	
<b>Unit 9 &amp; Rev.</b>	<b>21.07.2025 to 02.08.2025</b>	<b>(11)</b>
<b>Topic</b>	: Psychology and sports	
<b>Unit 10</b>	<b>04.08.2025 to 22.08.2025</b>	<b>(14)</b>
<b>Topic</b>	: Training in sports	
<b>Unit 11</b>	<b>25.08.2025 to 12.09.2025</b>	<b>(15)</b>
<b>Topic</b>	: Revision	
<b>Unit 12 &amp; Rev.</b>	<b>15.09.2025 to 29.09.2025</b>	<b>(11)</b>
<b>Topic</b>	: Revision	
<b>Unit 13</b>	<b>03.10.2025 to 17.10.2025</b>	<b>(11)</b>
<b>Topic</b>	: Revision	
<b>Unit 14 &amp; Rev.</b>	<b>24.10.2025 to 31.10.2025</b>	<b>(06)</b>
<b>Topic</b>	: Revision	

## HIND. MUSIC VOCAL

Unit 1	03.03.2025 to 15.03.2025	(08)
Topics	: Raga Bhairav & Defition : Alankar, Varna, Kan, Meend, Alap, Tan.	
Unit 2	17.03.2025 to 29.03.2025	(11)
Topics	: Raga Bhairav : Chhota Khayal	
Unit 3	02.04.2025 to 19.04.2025	(11)
Topics	: Taal : Dhamar, & Jhaptala, Chhota Khayal- Alap, Tan	
Unit 4	21.04.2025 to 03.05.2025	(11)
Topics	: Time Theory of Ragas	
Unit 5	05.05.2025 to 16.05.2025	(09)
Topics	: Raga Bhairav - Bada Khyal & Ustad Faiyaz Khan	
Unit 6	19.05.2025 to 30.05.2025	(10)
Topics	: Raag Malkauns description	
Unit 7	23.06.2025 to 05.07.2025	(11)
Topics	: Raag Malkauns - Chhota Khayal & Sangeet Ratnakar & Usdtad Bade Ghulam Ali khan	
Unit 8	07.07.2025 to 18.07.2025	(10)
Topics	: Raag Malkauns- Dhamar & Tal Rupak	
Unit 9 & Rev.	21.07.2025 to 02.08.2025	(11)
Topics	: Sangeet Parijeet, Tanpura- Parts & Tunings	
Revision	04.08.25 to 08.08.25	
	Revision	
Unit 10	04.08.2025 to 22.08.2025	(14)
Topics	: Raag Bhageshri- Chhota Khayal, Alap, Tan & Tarana	
Unit 11	25.08.2025 to 12.09.2025	(15)
Topics	: Musician : Pt. Krishna Rao Shankar Pandit & Raag Bhageshri- Tarana	
Unit 12 & Rev.	15.09.2025 to 29.09.2025	(11)
Topics	: Definitions: Khatka, Murki,	

Gamak, Grama, Murchhana		
Unit 13	03.10.2025 to 17.10.2025	(11)
Topics	: Raag Bhageshri- Dhamar	
Unit 14 & Rev.	24.10.2025 to 31.10.2025	(06)
Topics	: Revision	
EXAMINATION SCHEDULE :		
Periodic Asst.-1	28.04.2025 to 03.05.2025	
Topic	: Unit-1, 2 & 3	
Periodic Asst.-2	05.07.2025 to 11.07.2025	
Topic	: Unit-4, 5 & 6	
Half Yearly Exams	11.08.2025 to 25.08.2025	
Topic	: Unit-1 to 9	
Periodic Asst.-3	06.10.2025 to 14.10.2025	
Topic	: Unit-10 & 11	
Pre-Board-1	17.11.2025 to 28.11.2025	
Topic	: Complete Syllabus	
Pre-Board-2	15.12.2025 to 07.01.2026	
Topic	: Complete Syllabus	