



**SUMMER HOLIDAYS HOMEWORK CLASS – XII**  
**SESSION – 2026-27**

**General Instructions-**

1. The school will remain closed from 25.05.2026 to 30.06.2026 due to Summer Vacation.
2. The school will re-open on 01 July 2026 (Wednesday) as usual.
3. Parents are requested to help their wards in doing their Holiday Homework.
4. Please do your homework of all subjects as instructed by the subject teacher.
5. For any help you may contact the subject teachers as well.
6. **Respect the Deadline:** Submit all holiday homework on time (the first week) after the vacation. Late submissions may lead to deduction in Internal marks.
7. **Be Organized:** Keep your homework tidy and well-organized. Use proper headings, margins.
8. **Write Your Own Work:** Copying from friends or the internet is not allowed. Show your creativity and understanding.
9. **Label Everything:** Make sure your name, class, roll number, and subject are clearly written on each assignment.

**MATHEMATICS**

1. Do Important sums of Matrices and Determinants.
2. Prepare lab manual with least 10 activity

**ENGLISH**

**SECTION A: READING SKILLS –**

*Practice 3 passages. Attempt in notebook*

**Q1. Discursive Passages – 12 marks each**

**Choose any 2 topics:**

1. AI and the Future of Jobs: Threat or Opportunity?
2. Mental Health Among Students: Breaking the Stigma
3. Climate Change: Individual vs Government Responsibility
4. Digital Detox: Need of the Hour for Gen Z
5. India's Soft Power: Yoga, Bollywood, and Beyond

**SECTION B: CREATIVE WRITING SKILLS**

**1. Notice Writing – 4 marks, 50 words**

1. You are Rohan/Rohini, Cultural Secretary. Draft notice for Inter-School Literary Fest "Lexicon 2025"
2. Lost: Your admit card in school premises. Draft notice
3. Blood Donation Camp by Rotary Club in your school

4. Workshop on “Careers After Class 12” for students + parents

**2. Invitations & Replies – 4 marks, 50 words**

1. Formal invitation: Your school is hosting Annual Day. Draft invitation as Principal
2. Informal invitation: Invite your friend to your brother’s graduation party
3. Reply accepting invitation to debate competition as Judge
4. Reply declining wedding invitation due to board exams

**3. Letter Writing – 5 marks, 120-150 words**

1. Letter to Editor: Rising cyber frauds targeting students. Suggest awareness measures
2. Letter to Editor: Need for more sports facilities in your city
3. Job Application: Apply for post of Content Writer at ‘EduTech India’. Attach biodata
4. Complaint Letter: Poor maintenance of public park. Write to Municipal Commissioner
5. Letter to Principal: Requesting permission + funds for educational trip to ISRO

**4. Article / Report Writing – 5 marks, 120-150 words**

1. Article: “NEP 2020: Transforming Indian Education” for school magazine
2. Article: “Impact of Influencer Culture on Youth”
3. Report: Your school organized ‘No Vehicle Day’. Write as Student Reporter
4. Report: Inter-School Science Exhibition held in your school

**SECTION C: LITERATURE –**

**1. Flamingo Prose – Short Qs – 40-50 words, 2 marks each**

1. Why was the order from Berlin a ‘thunderclap’ for Franz? *The Last Lesson*
2. What made the peddler accept Edla’s invitation? *The Rattrap*
3. How did Douglas overcome his fear of water? *Deep Water*
4. Why did the crofter show the peddler his money? *The Rattrap*

**2. Flamingo Poetry – Short Qs – 40-50 words, 2 marks each**

1. What does ‘Keeping Quiet’ teach us?
2. What is the significance of ‘green wars, wars with gas’? *Keeping Quiet*

**3. Vistas – Short Qs – 40-50 words, 2 marks each**

1. How did Charley enter the third level? *The Third Level*
2. What is a ‘clairvoyant’? How is it related to *The Third Level*?

**4. Long Questions – 120-150 words, 5 marks each**

**Flamingo:**

1. Linguistic chauvinism can destroy communities. Explain with *The Last Lesson*. How is language our identity?
2. *The Rattrap* focuses on human goodness. How does Edla’s compassion change the Rattrap Paddler?

**CHEMISTRY**

1. Which of the following is not a solid solution?  
a) Brass  
b) Bronze  
c) Hydrated salts  
d) Aerated drinks
2. The solution of mercury with other metals is called amalgam.  
a) True  
b) False



Ques. Why is the first ionization enthalpy of 5d series elements higher than that of 3d and 4d series elements?

### Long Answer Questions [3 Marks Questions]

Ques. Explain why transition metals form colored compounds.

Ques. Why is Zinc [Z=30] not considered a transition element, while Silver [47] is?

Ques. Give reasons:

- i. Transition elements form interstitial compounds.
- ii. Actinoids are known to possess a large number of oxidation states as opposed to the lanthanides.

### Very Long Answer Questions [5 Marks Questions]

Ques. Explain the following:

- i. Lanthanoid Contraction and its effect over elements in the periodic table.
- ii.  $\text{Cu}^{2+}$  ion is stable in aqueous solution.

Ques. Explain each reason.

a) Define how Potassium Dichromate is prepared from chromite ore?

b)  $\text{Mn}^{2+}$  compounds are more stable than  $\text{Fe}^{2+}$ .

c) Why is  $\text{Cr}^{2+}$  reducing and  $\text{Mn}^{3+}$  oxidizing when both have the same  $d^4$  configuration?

Ques. Give reasons for the following:

1. Electrode potential  $E^0$  irregular for  $\text{M}^{2+}/\text{M}$  systems in 3d series.
2. Decrease in the ionic radii of  $\text{M}^{2+}$  in 3d series.
3. Most transition metals form complexes.
4.  $\text{Ce}^{4+}$  is a good analytical reagent.

Ques. Answer the following.

1. Change in pH affects chromates and dichromates. Explain with equations.
2. Transition elements are less reactive than alkali metals or alkaline earth metals.

### 1 Mark Questions (Very Short Answer)

These test your core understanding of concepts and formulas.

- Define **molarity**. Why is molarity considered less temperature-dependent than molality?
- What is an **ideal solution**? Give one example.
- State **Henry's Law** about the solubility of a gas in a liquid.
- What is meant by the **van't Hoff factor**?
- Define **osmotic pressure**. Why is it preferred to determine the molar mass of polymers?
- Give an example of a **liquid in solid** type of solution.

### 2 & 3 Marks Questions (Short Answer)

These require applying formulas and basic conceptual reasoning.

- State **Raoult's Law** for solutions containing volatile liquids. Explain the difference between ideal and non-ideal solutions.
- Why do non-ideal solutions show positive or negative deviations from Raoult's Law? Explain with examples.
- Why is the boiling point of a solvent elevated when a non-volatile solute is dissolved in it?

- Calculate the **mole fraction** of a solute in an aqueous solution containing by mass of a given compound (e.g., urea or glucose).
- Why do gases always dissolve in liquids exothermically? State the effect of temperature on the solubility of gases.
- Define **reverse osmosis**. What is its practical application?

## PHYSICS

### UNIT-VI OPTICS

- Do all NCERT exercise questions and examples of book.
- Do previous year Numerical problems of same topics based on CBSE board Examination.
- 📌 Prepare all the related topics

### INVESTIGATORY PROJECT WORK-

An investigatory project will be assigned to you and you will prepare a Project Record File on the Topic provided. The file will be written by you in your handwriting, the required details will be provided to you via Whatsapp group message.

### PRACTICAL RECORD FILE-

A pdf of Practical Record file will be provided to you and you will note down the practical in the file as guided in the class. (Must be submitted on 5<sup>th</sup> July, 2026)

## BIOLOGY

- Prepare your project file record work.  
(Project topic names along with all students name will be forward on the group)
- Complete your lab manual file work. (Experiment exercises & Spotting)  
(Lab manual file pdf also will be forwarded on the group)
- Be ready for your upcoming PD-I examinations. It would be held on July. So, do solved NCERT Exemplar and PYQs of chapter 1 & chapter 2 (MCQ based questions, very short answer & short answer type questions, case study based questions, long answer type questions, diagram based questions).
- Must be submitted your practical file record before 5<sup>th</sup> of July 2026.

## ACCOUNTANCY

In Accountancy, you have to complete All practical numericals and all illustrations from Chapters 1, 2, and 3rd of the Partnership Book complete your fair copy and bring them along after vacations.

And You all should prepare your project files according to the Central Board of Secondary Education board pattern.

## BUSINESS STUDIES

You have to prepare notes from Chapter 1 to Chapter 5 up to the “Organising” chapter, and you also have to learn them thoroughly NOTES.

And You all should prepare your project files according to the Central Board of Secondary Education board pattern.

## ECONOMICS

### Macroeconomics

- Solve exercise of chapter 1 & all assertive type of questions.
- Solve exercise of chapter 2 & all assertive type questions.
- Solve exercise of chapter 3 & all assertive type questions, numerical problems.
- Solve exercise of chapter 4 & all assertive type questions, numerical problems.
- All numericals must be solved in numerical note book.

### Indian Economic Development

- Solve all exercises of chapter 1 & 2 all assertive type questions.

## PAINTING

### **Theory (Unit I)**

- Complete Question Answers (given in Book) in your Holiday homework notebook.
- Complete a Chart paper as mentioned in class

### **Practical**

- Draw 15 landscape using colours (10) and pencil (5)
- Draw 10 still life painting using colours (5) and pencil (5)
- Draw One folk art painting.
- Draw a Human figure composition painting.
- Draw a poster on any theme (using poster colours)

## PHYSICAL EDUCATION

Unit 2- Write Postural deformities, Women participation in Sports, Female Athlete Triad.

Note- Complete The practical manual (which is mentioned in school website)

1: Choice game (Volleyball, Kho-Kho, Badminton)

2- Khelo India fitness Assessment

3: Lifestyle disease & yoga (Mention 2-2 Asana each Lifestyle disease).

## HEALTH CARE

- Prepare your project file record.  
(Project topic names along with all students name will be forward on the group)
- Complete your practical file work.  
(Practical file pdf also will be forwarded on the group)
- Be ready for your upcoming PD-I examinations. It would be held on the month of July. So, do revise the all concepts of Unit 1 to Unit 2 (MCQ based questions, very short answer & short answer type questions).
- Practical & project record must be submitted before 5th of July 2026.

## YOGA

### **Part-A**

Unit -1- Communication Skills- IV

### **Part-B**

Unit -1-Introduction To Yoga And Yogic Practices-II And Complete Yoga Manual File (Vishwas Publication)

Satkarma, Asana-2-2 (Sitting Standing, Prolain, Supine Position Asana) Pranayama, Mudras.

## INFORMATICS PRACTICES

Write all Pandas queries in order including the title.

## GEOGRAPHY

- Population Density and Growth Analysis of Indian States
  1. Compare population density and decadal growth of any 4–5 Indian states using Census data.
  2. Represent data through bar graphs or pie charts.
  3. Add short analytical observations and a conclusion.
- Human Development Index (HDI) Comparative Study
  1. Compare India's HDI with two developed and two developing countries.
  2. Include indicators like literacy, income, and life expectancy.
  3. Present data using tables and simple graphical representation.
- Transport Network and Regional Development
  1. Study the importance of roadways, railways, and airways in economic development.
  2. Prepare a simple thematic map showing major transport routes in India.
  3. Mention advantages and regional impacts.
- Land Use Pattern in India
  1. Analyze land utilization categories in India using recent statistical data.
  2. Represent data using pie charts or percentage bar diagrams.
  3. Explain causes of changes in land use and suggest conservation measures.

History (Book-I)

chapter-2 - Kings, farmers And towns  
Early states And Economies

Political science

Unit-2, contemporary centres of  
power

Unit-2, Era of one party  
Dominance