

Tab 1

PM SHRI KENDRIYA VIDYALAYA ARARIA

Session : 2025 – 26

Winter vacation (Holiday Homework)

Secondary Wing

CLASS : VI A,B

SUBJECT	HOME WORK
ENGLISH	- Write an essay on any one of the following topics: a) My Holiday destination. b) A magical world - Write an application to the principal of your school requesting him 10 days of leave. - Read and remember the poem National War Memorial - Write and remember 20 new words. - Complete your notebook up to the chapter Hamara Bharat Incredible India.
हिंदी	- दस पृष्ठ सुलेख लिखें । - निम्नलिखित विषय पर अनुच्छेद लिखिए - क) परिश्रम का महत्त्व (100-120 शब्दों में) - निम्नलिखित विषय पर पत्र लिखिए –

- आपने नए विद्यालय में प्रवेश लिया है , उसके बारे में बताते हुए अपने प्रिय मित्र को पत्र लिखिए ।
- आपको अपने विद्यालय से स्थानान्तरण प्रमाण पत्र प्राप्त करना है । उचित कारण बताते हुए अपने विद्यालय के प्राचार्य को आवेदन पत्र लिखिए ।

4) अभी तक पढ़ाये गए पाठों की शिक्षार्थी अधिगम डायरी पूर्ण करें।

5) दस कठिन शब्द उनके शब्दार्थ एवं उनके वाक्य बनाइए ।

6) कोई नई कविता पढ़िये और उसका शब्दार्थ सहित भावार्थ/व्याख्या अपने शब्दों में लिखिए ।

7) अभी तक पढ़ाये गए सभी पाठों की पुनरावृत्ति करें ।

8) अपनी पाठ्यपुस्तक मल्हार से किन्ही भी 4 लेखकों / कवियों का सचित्र जीवन परिचय लिखिए । (परियोजना कार्य **A-4** पेपर पर)

नोट :- बिंदु संख्या 1 से 6 तक का कार्य अवकाश गृहकार्य कॉपी में करना है ।

SSc

HOLIDAY HOMEWORK

	CLASS VI SOCIAL SCIENCE Q.1 Prepare a model on solar system Q2. On a political map of India label all the states with capitals Q.3 Mark and label different continents and oceans on an outline map of world. Q.4 Prepare four clay seals using potters clay /clay by engraving or carving on them [an animal, a flower,the national emblem of India or a tree. Q.5 Prepare four coins using potters clay /clay ,aluminium foil ,golden or silver paper . Q.6 On the political map of India mark the following places [pg86] 1. Lothal 2, Mohenjodaro 3. Kalibangan 4. Harappa 5. Rupar Q.7 learn n write the Preamble
Maths	Click on the following link for maths hw: hhw(wb)_6_2025-26
WE	

SCIENCE	class 6 A.B Holiday H/W Science
SKT	शीतकालीन - गृहकायमय कक्षा षष्ठी अ/ ब LINK
COMPUTER(AI)	1.Explain the main domain of ai 2.write about automation 3.Uses of ai in healthcare 4.How is AI useful in education?
ART	
Physical and Health Education	

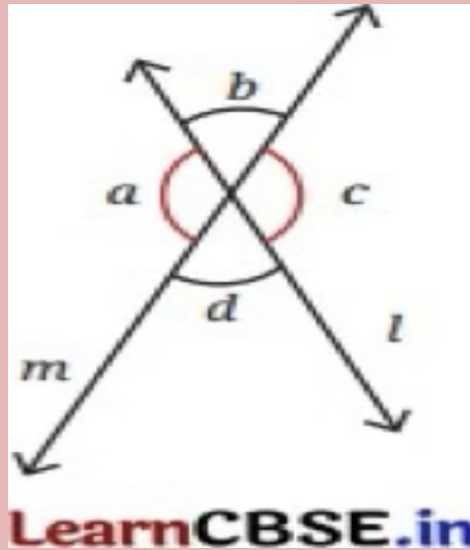
Library	
MUSIC	

SUBJECT	CLASS: VII A,B HOME WORK
ENGLISH	1. Write a diary entry on any one of the following topics (100-120 words): a) A memorable day during your holidays b) A day you helped someone or learned something new 2. Write one paragraph (120-150 words) on any ONE topic: a) My Favourite Festival. b) How I Spent My Winter Vacation 3. Make meaningful sentences using: a) honest. b) quickly. c) bravery. d) improve 4. Answer the following questions (30-40 words each): a) Who is your favourite character from your English textbook? Why? b) What lesson does any poem or story from your book teach you? c) Write a brief summary of any chapter you liked. 5. Complete your notebook up to the chapter My Dear Soldiers.

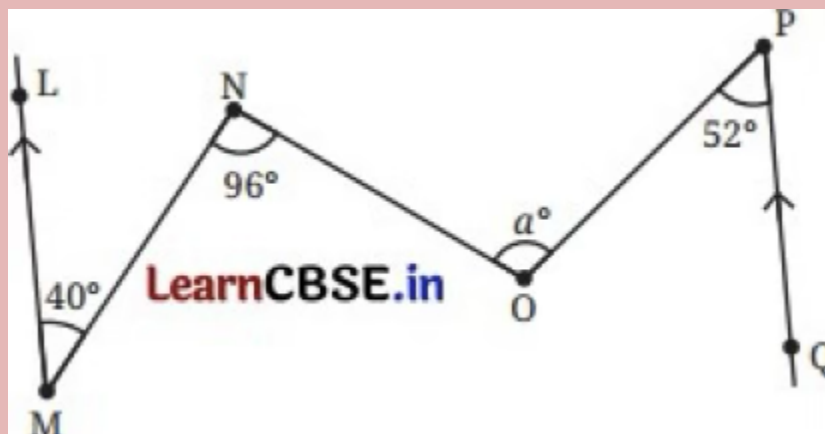
हिंदी

- 1) दस पृष्ठ सुलेख लिखें ।
- 2) निम्नलिखित विषय पर अनुच्छेद लिखिए - (100-120 शब्दों में)
 - क) मेरे जीवन का सबसे यादगार दिन
 - ख) अगर मैं एक दिन के लिए शिक्षक बन जाऊं
- 3) निम्नलिखित विषय पर पत्र लिखिए –
 - आपने छोटे भाई/बहन को पढ़ाई के लिए प्रेरित करते हुए पत्र लिखिए ।
 - आपको अपने विद्यालय से स्थानान्तरण प्रमाण पत्र प्राप्त करना है ।
उचित कारण
बताते हुए अपने विद्यालय के प्राचार्य को आवेदन पत्र लिखिए ।
- 4) अभी तक पढ़ाये गए पाठों की शिक्षार्थी अधिगम डायरी पूर्ण करें।
- 5) दस कठिन शब्द उनके शब्दार्थ एवं उनके वाक्य बनाइए ।
- 6) कोई नई कविता पढ़िये और उसका शब्दार्थ सहित भावार्थ/व्याख्या अपने शब्दों में
लिखिए ।
- 7) अभी तक पढ़ाये गए सभी पाठों की पुनरावृत्ति करें ।
- 8) अपनी पाठ्यपुस्तक मल्हार से किन्हीं भी 4 लेखकों / कवियों का सचित्र जीवन परिचय
लिखिए । (परियोजना कार्य **A-4** पेपर पर)

	नोट :- बिंदु संख्या 1 से 6 तक का कार्य अवकाश गृहकार्य कॉपी में करना है ।
SSc	Class 7 SST winter vacation homework (Term 2), 1- map work Locate Patna Delhi Rajgir mathura and capital of 28 states . 2 creating charts of government officials, researching Indian history (Mauryan, Gupta periods, ancient trade), 3- civics concepts (Constitution, democracy, fundamental rights/duties), and 4- geography (Earth's layers, rock cycle, soil) with creative projects, 5- general revision and daily newspaper reading for current affairs.
Maths	<u>Winter Break Home Work</u> <u>CLASS VII- MATHEMETICS</u> 1. List all the linear pairs and vertically opposite angles you observe from Figure:



2. What is the measure of angle $\angle NOP$ in the given figure?



3. Find the angles marked below.

SUBJECT	CLASS: VIII A,B HOME WORK
ENGLISH	1. Write a diary entry on any one of the following topics (100–120 words): a) A memorable day during your holidays b) A day you helped someone or learned something new 2. Write one paragraph (120–150 words) on Importance of Trees 3. Answer the following questions (30–40 words each): a) Who is your favourite character from your English textbook? Why? b) What lesson does any poem or story from your book teach you? c) Write a brief summary of any chapter you liked. 4. You have noticed many stray animals on the road during the busy hours of the day. These animals cause traffic jams as well as accidents. You have already written to the concerned authorities but no action has been taken so far. Write a letter to the Editor, The Hindu, drawing attention of the Municipal Commissioner, Chennai to this problem. You are Shalini/Suresh, 12 MG Road, Chennai, 5. Complete your notebook up to the chapter 'Waiting for the rain'.
हिंदी	शीतकालीन अवकाश गृह कार्य 2025-26 कक्षा – आठवीं LINK

 PART A: HISTORY**Book: Our Pasts – III****1. Very Short Answer (Write in 2–3 lines)**

- a) Who introduced the Permanent Settlement?
 - b) What was the main aim of British education policy?
 - c) Name any two tribal revolts against the British.
 - d) What is meant by colonialism?
-

2. Short Answer Questions (Write 5–6 lines)

- a) Explain the impact of British rule on Indian agriculture.
 - b) Why did Indian handicrafts decline during British rule?
 - c) How did the British change forest laws in India?
-

3. Long Answer Questions (Write 10–12 lines)

- a) Describe the effects of British land revenue systems on peasants.
 - b) Explain the causes and effects of the Revolt of 1857.
-

4. Map Work

On an outline map of India, **locate and label**:

- Bengal
- Bombay
- Madras

- Jhansi
 - Delhi
-

PART B: CIVICS

Book: Social and Political Life – III

1. Very Short Answer

- a) What is a Constitution?
 - b) Name the three levels of government in India.
 - c) What is universal adult franchise?
-

2. Short Answer Questions

- a) Why do we need laws in a democracy?
 - b) Explain the role of the Indian Parliament.
 - c) What is secularism?
-

3. Long Answer Questions

- a) Explain the importance of the Indian Constitution.
 - b) Describe how the Mid-Day Meal Scheme helps students.
-

4. Activity Work

👉 Make a **colourful chart** showing:

- Fundamental Rights
- Fundamental Duties

(Write at least **4 points** for each)

PART C: GEOGRAPHY

Book: Resources and Development

1. Very Short Answer

- a) What is a resource?
 - b) Name two renewable resources.
 - c) What is human-made resource?
-

2. Short Answer Questions

- a) Explain the importance of natural resources.
 - b) What is sustainable development?
 - c) Differentiate between renewable and non-renewable resources.
-

3. Long Answer Questions

- a) Describe different types of resources with examples.
 - b) Explain ways to conserve natural resources.
-

4. Map Work

On a world map, **mark and label**:

- Asia
 - Africa
 - Europe
 - Pacific Ocean
 - Indian Ocean
-

✨ **PROJECT WORK (Any ONE)**

Option 1:

Topic: *Life of Tribals under British Rule*
(Write 2–3 pages with pictures)

Option 2:

Topic: *Save Earth – Save Resources*
(Poster + short paragraph)

✍️ **General Instructions**

- Write neatly and maintain proper headings
- Maps must be **clean and well-labelled**

	• Use blue/black pen for writing • Decorate project work creatively
Maths	<u>Holiday H/W class 8A,B Maths</u>
SCIENCE	1. 5 Keywords from each chapter:- (In your HW notebook) Find 5 keywords (important terms) that you learnt from the chapter and explain them in your own words. Chapter - 5, 6, 7, 8 and 9 (total 25 keywords) For example: Chapter - Exploring Forces Keywords :- ○ Contact Force - Explain ○ Non contact force - Explain ○ Buoyant Force / Upthrust - Explain ○ Pressure - Explain

	○ Gravitational Force - Explain 2. NCERT Back Exercises ○ NCERT back exercise should be completed in your Science Homework Notebook up to chapter - 9 (The amazing world of solute, solvents and solutions)  Note: ● Ensure neatness and originality of your work. ● Homework will be assessed for creativity, effort, and presentation. Wishing you a joyful and productive Winter Break! 
SKT	शीत-अिकाश-गृहकाययम् LINK
Artificial Intelligence	Winter Break Holiday H/W for Class 8(A,B) AI click on this link
ART	

WE	
LIBRARY	
PHYSICAL & HEALTH EDUCATION	
MUSIC	

SUBJECT	Class : IX A,B HOME WORK
ENGLISH	1] Revision Work Complete revision of: All Homework All Books Complete syllabus covered so far 2] Writing Skills  A. Descriptive Paragraphs Write any TWO descriptive paragraphs (120–150 words each) on the following topics: 1. A Memorable Winter Morning 2. My Favourite Teacher 3. A Place I Love to Visit 4. An Unforgettable Day of My Life  B. Informal Letters Write any TWO informal letters (120–150 words each) on the following topics: 1. Letter to a friend describing your winter holidays 2. Letter to your cousin inviting him/her to spend holidays with you 3. Letter to a friend about your favourite hobby

	3 Grammar Section A. Modals Revise Modals Solve one exercise based on Modals Write 5 sentences of each modal B. Subject–Verb Agreement Revise Rules of Subject–Verb Agreement Revise all Tenses Write 5 sentences of each. 4 Figures of Speech / Poetic Devices Search and write about any FIVE poetic devices from each poem. Write: Definition One example of each (Example: Simile, Metaphor, Alliteration, Personification, Oxymoron)
हिंदी	कक्षा – 9वीं शीतकालीन अवकाश गृह- कार्य विषय-हिंदी LINK
SSc	 PART A: HISTORY Book: India and the Contemporary World – I 1. Very Short Answer Questions (2–3 lines)

- a) What was the Estates General?
 - b) Who wrote *The Communist Manifesto*?
 - c) What is a subsistence crisis?
 - d) Name the treaty that ended the First World War.
-

2. Short Answer Questions (5–6 lines)

- a) Explain the role of philosophers in the French Revolution.
 - b) What were the causes of the Russian Revolution?
 - c) Why was Nazism popular in Germany?
-

3. Long Answer Questions (10–12 lines)

- a) Describe the major events of the French Revolution.
 - b) Explain the impact of the Russian Revolution on the world.
-

4. Map Work

On an outline map of Europe, locate and label:

- France
 - Russia
 - Germany
 - Paris
 - Vienna
-

Book: Contemporary India – I

1. Very Short Answer Questions

- a) What is a plateau?**
 - b) Name the northernmost range of the Himalayas.**
 - c) What are tectonic plates?**
-

2. Short Answer Questions

- a) Describe the features of the Northern Plains.**
 - b) Explain the importance of the Himalayan mountains.**
 - c) What is the difference between weather and climate?**
-

3. Long Answer Questions

- a) Describe the major physiographic divisions of India.**
 - b) Explain the factors affecting the climate of India.**
-

4. Map Work

On an outline map of India, mark and label:

- **Himalayan Mountains**
 - **Thar Desert**
 - **Deccan Plateau**
 - **Arabian Sea**
 - **Bay of Bengal**
-

PART C: POLITICAL SCIENCE

Book: Democratic Politics – I

1. Very Short Answer Questions

- a) What is democracy?
 - b) Name the party that ruled Zimbabwe since independence.
 - c) Who was Nelson Mandela?
-

2. Short Answer Questions

- a) What are the features of a democratic government?
 - b) Why is democracy better than other forms of government?
 - c) What is meant by constitutional government?
-

3. Long Answer Questions

- a) Explain the struggle against apartheid in South Africa.
 - b) Describe the main features of the Indian Constitution.
-

PART D: ECONOMICS

Book: Economics

1. Very Short Answer Questions

- a) What is an economy?
 - b) Define poverty line.
 - c) What is unemployment?
-

2. Short Answer Questions

- a) Explain the concept of human capital.
 - b) What are the main causes of poverty in India?
 - c) Differentiate between organized and unorganized sectors.
-

3. Long Answer Questions

- a) Explain the role of education in economic development.
 - b) Describe various measures to reduce poverty.
-

PROJECT WORK (Any ONE)

Option 1:

Topic: *Impact of the French Revolution on Modern Society*
(2–3 pages with pictures, timeline, and conclusion)

Option 2:

Topic: *India's Physical Features and Climate*
(Include maps, diagrams, and short explanations)

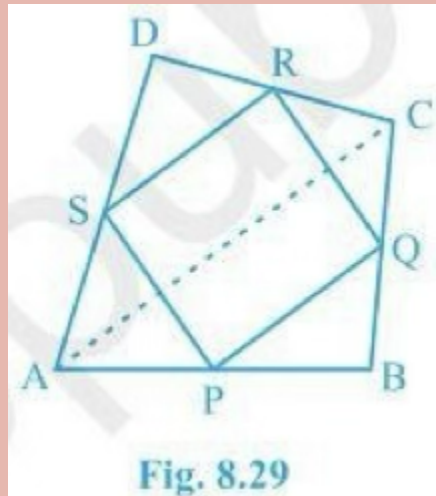
General Instructions

- Use headings and sub-headings
- Maps must be neat and properly labelled
- Write answers in your own words
- Project should be handwritten

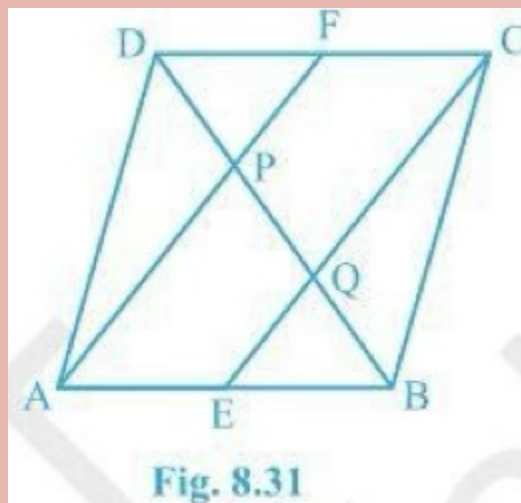
MATHS

Winter Break Home Work CLASS IX- MATHEMETICS

1. The angles of a quadrilateral are in the ratio 3 : 5 : 9 : 13. Find all the angles of the quadrilateral.
2. ABCD is a quadrilateral in which P, Q, R and S are mid-points of the sides AB, BC, CD and DA (see Fig 8.29). AC is a diagonal. Show that:
 - i. (i) $SR \parallel AC$ and $SR = \frac{1}{2} AC$
 - ii. $PQ = SR$
 - iii. PQRS is a parallelogram.



3. In a parallelogram ABCD, E and F are the mid-points of sides AB and CD, respectively (see Fig. 8.31). Show that the line segments AF and EC trisect the diagonal BD.



4. Prove that if chords of congruent circles subtend equal angles at their centres, then the chords are equal.

5. A circular park of radius 20m is situated in a colony. Three boys, Ankur, Syed and David, are sitting at equal distances on its boundary, each having a toy telephone in his hands to talk to each other. Find the length of the string of each phone.

6. Prove that angles subtended to any point on the circumference of the circle from the same arc is equal to half of the angle subtended at the center by the same arc.

7. A chord of a circle is equal to the radius of the circle. Find the angle subtended by the chord at a point on the minor arc and also at a point on the major arc.

8. Find the area of a triangle two sides of which are 18 cm and 10 cm and the perimeter is 42cm.

9. Sides of a triangle are in the ratio of 12 : 17 : 25 and its perimeter is 540cm. Find its area.

10. What length of tarpaulin 3 m wide will be required to make a conical tent of height 8 m and base radius 6m? Assume that the extra length of material that will be required for stitching margins and wastage in cutting is approximately 20 cm.

*Use $\pi=3.14$

11. A right circular cylinder just encloses a sphere of radius r (see fig. 13.22).

Find

- i. surface area of the sphere,
- ii. curved surface area of the cylinder,
- iii. ratio of the areas obtained in(i) and (ii).



Fig. 13.22

12. Find the volume of a sphere whose surface area is 154 cm^2 .

13. Twenty-seven solid iron spheres, each of radius r and surface area S are melted to form a sphere with surface area S' . Find the

- i. (i) radius r' of the new sphere,**
- ii. ratio of S and S' .**

14. A right triangle ABC with sides 5cm, 12cm and 13cm is revolved about the side 12 cm. Find the volume of the solid so obtained.

15. The runs scored by two teams, A and B, on the first 60 balls in a cricket match are given below.

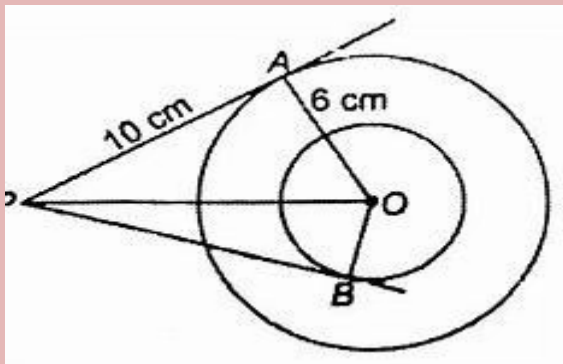
SCIENCE	1. What is crop variety improvement? Why is it important for sustainable agriculture? 2. Name any four factors for which crop variety improvement is done. 3. Differentiate between manure and fertilizers (any three points). 4. What is irrigation? Explain any two traditional methods of irrigation. 5. Define mixed cropping. Give one advantage of mixed cropping. 6. What is crop rotation? How does it help in maintaining soil fertility? 7. What are weeds? Name any two methods of weed control. 8. Explain the importance of animal husbandry in food resource improvement. Project Work (Any One) Project 1: Prepare a detailed chart or scrapbook on different types of crops (Kharif, Rabi, and Zaid). Include examples, sowing season, harvesting season, and pictures or drawings. Project 2: Make a project report on organic farming. Explain its principles, advantages, and limitations. Add diagrams or pictures if possible
Artificial Intelligence	Winter Break Holiday Home work for AI class IX(A,B)click on this link
ART	
S.K.T	शीतकालीनम - गृह कायमय कक्षा निमी अ/ ब LINK
WE	

SUBJECT	CLASS: X HOME WORK
ENGLISH	Winter Holidays Assignment** ♦ Syllabus Revision Revise the complete syllabus of English thoroughly: All Literature books All Grammar topics All Writing skills All previous homework and classwork
हिंदी	1) निम्नलिखित विषय पर दिए गए संकेत बिन्दुओं के आधार पर अनुच्छेद लिखिए मजदूरों की समस्याएँ - (150 शब्दों में) ● उचित मजदूरी नहीं मिलना ● कार्यस्थल तथा आवास स्थल पर सुविधाओं का अभाव ● दक्षता के अनुकूल कार्य का नहीं मिलना ● संघर्षपूर्ण जीवन 2) निम्नलिखित विषय पर पत्र लिखिए –

	● अपने राज्य के ग्रामीण इलाकों में पुस्तकालय स्थापित करने हेतु मुख्य सचिव को पत्र लिखिए । ● आप अपने क्षेत्र की टूटी सड़क को ठीक करवाने के लिए क्षेत्र के विधायक को पत्र लिखिए । 3) कर्तवाच्य , कर्मवाच्य और भाववाच्य प्रत्येक के दस – दस उदाहरण लिखिए । 4) सरल , संयुक्त और मिश्र वाक्य प्रत्येक के दस – दस उदाहरण लिखिए । 5) पद परिचय से संबंधित संज्ञा, सर्वनाम, विशेषण , क्रिया विशेषण , काल , अव्यय, निपात की पुनरावृत्ति करें । 6) अलंकार के सभी प्रकारों के 5-5 उदाहरण लिखिए । 6) एक फाइल में अपना पोर्टफोलियो तैयार कीजिए । 7) अभी तक पढ़ाये गए सभी पाठों की पुनरावृत्ति करें । नोट :- यह कार्य अवकाश गृहकार्य कॉपी में करना है ।
SSc	REVISE THE MAP CONTENTS REVISE AND PRACTICE FAQ OF HISTORY PRACTICE 3 MODEL PAPER REVISE AND PRACTICE OF ANSWER WRITING OF FAQ OF GEOGRAPHY,ECONOMICS AND CIVICS.

AI	class 10 AI Winter Break Holiday H/W click on this link
Maths	X-MATHS PRACTICE PAPER-1 link Time 60 min X Maths Practice Paper 1 MM 30 - Find the LCM and the HCF of 15, 18 and 45 by prime factorization method. - Find the quadratic polynomial whose zeros are $3 + \sqrt{5}$ and $3 - \sqrt{5}$ - Determine the value of k so that the lines $2x - 3y = 9$ and $kx - 9y = 18$ will be parallel. - Find k, if one root of equation $x^2 + kx - 4 = 0$ is 2. - Given $a = 5$, $d = 3$, $S_n = 50$, find S_n. - Prove that, If a line is drawn parallel to one side of a triangle intersecting the other two sides in distinct points, then the other two sides are divided in the same ratio. - What is the distance of the point P(2,3) from the X – axis? - Given $15 \cot A = 8$, find $\sin A$. - The angle of elevation of the top of a tower from a point on the ground, which is 30 m away from the foot a tower of height $10\sqrt{3}$ m is ____. - In the given figure, a circle touches all the four sides of quadrilateral ABCD whose sides are $AB = 6$ cm, $BC = 9$ cm, $CD = 8$ cm. The length of the side AD is ____. - Find the area of the minor segment of a circle of radius 14 cm, when the angle of the corresponding sector is 60°. - Two cubes each of volume 64 cm^3 are joined end to end. Find the surface area of the resulting cuboid. - The mean of $6, 6 + 2x, 5$ and $8 + 3x$ is 20. Find the value of x - A deck of cards contains 52 cards. What is the probability of drawing a red card (hearts or diamonds) Time 60 min X Maths Practice Paper 1 MM 30

1. Find LCM and HCF of 120 and 144 and verify $\text{LCM} \times \text{HCF} = \text{product of two numbers}$.
2. If one zero of $2x^2 - 3x + k$ is reciprocal to the other, then find the value of k .
3. How many solution/s the pairs of equations $y=0$ and $y=-5$ have?
4. Find the nature of roots of equation $9x^2 + 12x + 4 = 0$
5. What is the 21st term of an AP whose first two terms are -3 and 4 .
6. Prove that, If a line is drawn parallel to one side of a triangle intersecting the other two sides in distinct points, then the other two sides are divided in the same ratio.
7. Find the ratio in which the line segment joining $A(1, -5)$ and $B(-4, 5)$ is divided by the x -axis. Also find the coordinates of the point of division.
8. In a $\triangle ABC$, right angled at B , if $AB = 12$ and $BC = 5$. Find $\tan A$.
9. From the top of a 10 m high tower, the angle of depression of a point on the ground is found to be 30° . The distance of the point from the foot of the tower is ____.
10. In the given figure, if $AP = 10$ cm, $OA = 6$ cm, $OB = 3$ cm, then $BP =$ ____ cm.



11. Find the area of a sector of a circle with radius 6 cm if angle of the sector is 60° .
12. Volume and surface area of a solid hemisphere are numerically equal. What is the diameter of hemisphere?
13. Two dice rolled once. Find the probability of getting such numbers on the two dice, whose product is 12.
14. A box contains 5 red marbles, 8 white marbles and 4 green marbles. one marble is taken out of the box at random. What is the probability that the marble taken out will be
 i) red ?
 ii) white ? iii) not green ?

SCIENCE	Attempt CBSE Sample paper in your notebook.
ART	
WE	

SUBJECT	CLASS: XI HOME WORK
ENGLISH	Winter Holidays Homework** Revise both English books thoroughly:

Hornbill and Snapshots

Write the complete revision work neatly in your English notebook



Writing Skills

Write ANY TWO of each of the following:

1 Notices

School Annual Function

Cleanliness Drive / Blood Donation Camp / Sports Meet

2 Advertisements

(As per CBSE format)

Sale of old household items

Opening of a Coaching Institute / Dance Academy

3 Speech

(150–200 words)

Importance of Discipline in Student Life

Role of Youth in Nation Building

4 Debates

(For / Against – 150–200 words)

Online Education is better than Classroom Teaching

Social Media: A Boon or a Curse

Grammar Section

Revise and write with examples:



Tenses

	All types of tenses Write 10 sentences using different tenses ✓ Subject–Verb Agreement Rules with 10 example ✓ Complex & Compound Sentences Rules and structure Write 5 Complex and 5 Compound sentences
CHEMISTRY	PM SHRI KV ARARIA Winter Holiday Homework (Class XI – Chemistry) All students are instructed to complete the following work during the winter holidays: 1. Complete your fair notebook up to all the topics covered till Basic Organic Chemistry. 2. Complete your Chemistry Practical File and prepare a Chemistry Project for your Final Internal Assessment. 3. Write the IUPAC nomenclature of 50 organic compounds in your notebook. (To be done independently by the student.) Note: All work must be completed neatly and will be checked after the winter vacation.

	https://1drv.ms/w/c/b662bf0a341bf5d8/IQADiRs_UmCIQayjRd_wLWroAU8vN9NNUPqH6d0ghtIV5Ik
PHYSICS	Homework Instructions 1. Physics Activity Project ○ Choose any simple activity/experiment that demonstrates a concept of Physics studied till now or to be studied further. ○ Prepare a detailed report in a project file, including: ■ Title of the Activity ■ Aim ■ Materials Required ■ Procedure ■ Observations / Data ■ Result / Conclusion ○ Example: ■ Activity: Time period of a simple pendulum depends on the square root of the length of the thread. ■ Verification: Design a pendulum, change the length of the thread, and observe how the time period varies. 2. NCERT Back Exercises ● Solve and complete a minimum of 10 back exercise questions from each chapter up to “Mechanical properties of solids” in your Physics homework notebook. ● Ensure that solutions are neatly written with proper steps, formulas, and reasoning. 3. Prepare short notes (formula sheet) of all the chapters covered till now in a separate small notebook.  Note: ● Present your work neatly with diagrams. ● Originality, creativity, and clarity will be given weightage. ● Classwork notes, NCERT questions, and the project report will all be assessed. Have a fruitful and enjoyable Winter Break! 
Maths	https://drive.google.com/file/d/1ShA8mLV6x_-laEelsmzx2x3ttFS8HTFd/ view?usp=sharing  hhw(wb)_11_2025-26

BIOLOGY	1. Explain the process of spermatogenesis with diagram. 2. Explain the significance of biotechnology. 3. Define pollination and its types. 4. What is lac operon explain with diagram. 5. With a neat, labelled diagram, describe the parts of a mature angiosperm 6. With a neat, labelled diagram, describe the parts of a mature angiosperm embryo sac and mention the role of synergids . 7. How is pollination carried out in water plants?
CS	Click on below link for cs Winter Break HW for CS
HINDI	कक्षा 11वीं के लिए हिंदी विषय का शीतकालीन अवकाश गृह कार्य LINK



SUBJECT	HOME WORK CLASS: XII
ENGLISH	Syllabus Revision Revise the complete syllabus of English thoroughly: All Literature books All Grammar topics All Writing skills All previous homework and classwork
CHEMISTRY	PM SHRI K V ARARIA Winter Holiday Homework (Class 12) All students are instructed to complete the following work during the winter holidays:

	1. Solve Pre-Board I, Pre-Board II, and CBSE Sample Paper (2025–26) neatly in your notebook. 2. Complete your Project Work and Practical File as per the guidelines given. 3. Do utilise your time properly for your Board exams. Note: The work must be completed sincerely and will be checked after the winter vacation.
PHYSICS	Homework Instructions 1. Pre-board 1 & 2 Question Paper Practice ○ Solve the entire Half-Yearly Physics Question Paper in your homework notebook. ○ Ensure that all answers are written with proper steps, diagrams, and units. 2. Investigatory Project File (Final Submission) ○ Prepare a well-structured project file on any one of the suggested investigatory projects listed below. ○ Your project file should include: ■ Title ■ Aim ■ Apparatus / Materials Required ■ Theory / Principle ■ Procedure ■ Observations ■ Calculations (if any) ■ Result / Conclusion ■ Precautions ○ The project will be submitted as your Final Project File during the Practical Examination. ○ It carries 5 marks and will be assessed for neatness, accuracy, originality, and presentation. Suggested Investigatory Project Topics

	1. To study various factors on which the internal resistance/EMF of a cell depends. 2. To study the variations in current flowing in a circuit containing an LDR because of a variation in: (a) the power of the incandescent lamp used to illuminate the LDR (keeping distance fixed), (b) the distance of an incandescent lamp (of fixed power) used to illuminate the LDR. 3. To find the refractive indices of water and oil using a plane mirror, an equiconvex lens (of known refractive index), and an adjustable object needle. 4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the coils of a self-designed transformer. 5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled with different transparent fluids. 6. To estimate the charge induced on each of two identical Styrofoam (or pith) balls suspended in a vertical plane using Coulomb's law. 7. To study the factor on which the self-inductance of a coil depends by observing its effect in series with a resistor/bulb in an AC circuit of adjustable frequency. 8. To study the Earth's magnetic field using a compass needle and bar magnet by plotting field lines and using a tangent galvanometer.
Maths	Attempt three sample papers and one assignment of Vector and 3D: Click the following link for the assignment and sample papers:  sample papers and assignments <i>Use A4 sheets and submit on the very first day after winter break.</i>

BIOLOGY	
CS	class 12th CS Holiday H/W Click on this link
HINDI	कक्षा 12 के विद्यार्थियों के लिए शीतकालीन अवकाश गृह कार्य/परियोजना कार्य

HAPPY WINTER VACATION 😊