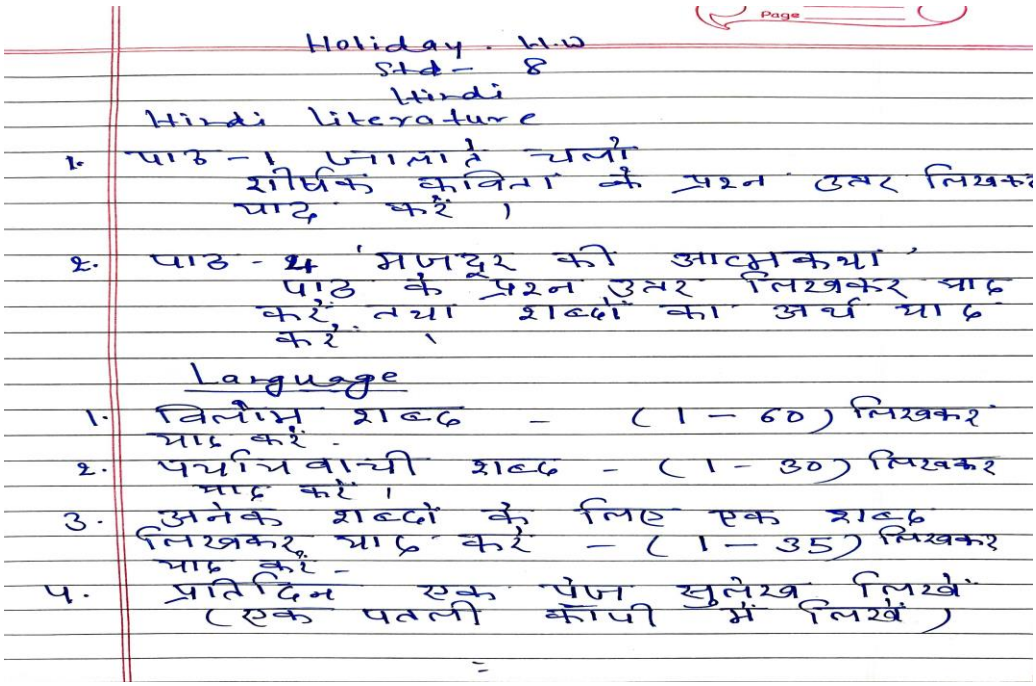
HOLIDAY HOMEWORK 2026-2027

STD 8

1. HINDI


Holiday H.W
Std- 8
Hindi
Hindi literature
1. पाठ - 1 'चलो' शीर्षक कविता के प्रश्न उत्तर लिखकर याद करें।
2. पाठ - 4 'मजदूर की आत्मकथा' पाठ के प्रश्न उत्तर लिखकर याद करें तथा शब्दों का अर्थ याद करें।

Language
1. विलोम शब्द - (1 - 60) लिखकर याद करें।
2. पर्यायवाची शब्द - (1 - 30) लिखकर याद करें।
3. अनेक शब्दों के लिए एक शब्द लिखकर याद करें - (1 - 35) लिखकर याद करें।
4. प्रतिदिन एक पेज सुलेख लिखें (एक पतली कॉपी में लिखें)

2. PHYSICS

1) Prepare 10 multiple choice other than those given in the book from chapter -1,2 with four alternatives .

2) Define the following terms.

a) Melting
b) Freezing
c) Boiling
d) Evaporation
e) Condensation
f) Sublimation
g) Deposition
h) Adhesive force
i) Cohesive force
j) Physical quantity

k) Density
l) Relative density
m) up thrust

3) Solve all the numericals of chapter 2.

4) Draw a flow chart to represent the change of state in a chart paper.

5) Prepare for a class test.

3. CHEMISTRY

The following has to be learnt

Monovalent Electropositive Radicals (Basic Radicals)

1	Ammonium	NH_4^+
2	Argentous (Silver I)	Ag^+
3	Cuprous (Copper I)	Cu^+
4	Hydrogen	H^+
5	Sodium	Na^+
6	Potassium	K^+

Monovalent Electronegative Radicals (acidic Radicals)

1	Bicarbonate or Hydrogen carbonate	HCO_3^-
2	Bisulphide or Hydrogen sulphide	HS^-
3	Bisulphate or Hydrogen Sulphate	HSO_4^-
4	Bisulphite or Hydrogen Sulphite	HSO_3^-
5	Bromide	Br^-
6	Chloride	Cl^-
7	Permanganate	MnO_4^-
8	Fluride	F^-
9	Hydride	H^-
10	Hydroxide	OH^-
11	Iodide	I^-
12	Nitrate	NO_3^-
13	Nitrite	NO_2^-
14	Meta aliminate	AlO_2^-

Divalent Electropositive Radicals (Basic Radicals)

1	Argentic (Silver II)	Ag^{2+}
2	Barium	Ba^{2+}
3	Calcium	Ca^{2+}

4	Cupric (Copper II)	Cu^{2+}
5	Ferrous (Iron II)	Fe^{2+}
6	Magnesium	Mg^{2+}
7	Plumbous (Lead II)	Pb^{2+}
8	Zinc	Zn^{2+}

Divalent Electronegative Radicals (Acidic Radicals)

1	Carbonate	CO_3^{2-}
2	Dichromate	$Cr_2O_7^{2-}$
3	Oxide	O^{2-}
4	Sulphate	SO_4^{2-}
5	Sulphite	SO_3^{2-}
6	Sulphide	S^{2-}
7	Zincate	ZnO_2^{2-}
8	Plumbite	PbO_2^{2-}

Trivalent Electropositive Radicals (Basic Radicals)

1	Aluminium	Al^{3+}
2	Chromium	Cr^{3+}
3	Ferric (Iron III)	Fe^{3+}

Trivalent Electronegative Radicals (Acidic Radicals)

1	Nitride	N^{3-}
2	Phosphate	PO_4^{3-}
3	Aluminate	AlO_3^{3-}

Tetravalent Electropositive Radical (Basic Radical)

1	Plumbic (Lead IV)	Pb^{4+}

Tetravalent Electronegative Radical (Acidic Radical)

1	Carbide	C^{4-}

Common Name Chemical Name & Formula (To be learnt)

Sl. No	Common Name	Chemical Name	Formula
1	Common salt/ Table salt/ rock salt/ black salt	Sodium chloride	NaCl

2	Baking Soda	Sodium hydrogen carbonate or sodiu bicarbonate	$NaHCO_3$
3	Washing Soda	Sodium Carbonate deca hydrate or H	$Na_2CO_3.10H_2O$
4	Marble or Lime stone or chalk	Calcium Carbonate	$CaCO_3$
5	Quick Lime	Calcium oxide	CaO
6	Slaked lime	Calcium hydroxide	$Ca(OH)_2$
7	Blue Vitriol	Copper Sulphate pentahydrate or hy	$CuSO_4..5H_2O$
8	Caustic Soda	Sodium hydroxide	NaOH
9	Caustic Potash	Potassium hydroxide	KOH
10	Vinegar	Acetic Acid	CH_3COOH
11	Dry Ice	Solid Carbon dioxide	CO_2
12	Plaster of Paris	Calcium sulphate hemihydrate or Hy	$CaSO_4.$ ½ H_2O
13	Rust	Hydrated Iron(III) oxide or Hydrate	$Fe_2O_3.$ x H_2O
14	Bleaching Powder	Calcium oxychloride	$CaOCl_2$
15	Green Vitriol	Ferrous sulphate heptahydrate or Hydrated ferrous sl	$FeSO_4.7H_2O$
16	Muriatic Acid	Hydrochloric Acid	HCl
17	Marsh Gas	Methane	CH_4
18	Cane sugar	Sucrose	C12H22O11
19	Epsom salt	Hepta hydrate of Magnesium sulpha	$MgSO_4.7H_2O$
20	Fluorspar	Calcium fluoride	CaF2
21	Glauber's salt	Hydrated sodium sulphate	$Na_2SO_4.$ 10 H_2O
22	Iron pyrite (Fools gold)	Iron disulphide	FeS_2
23	Lime water or milk of lime	Calcium hydroxide solution	$Ca(OH)_2$
24	Milk of Magnesia	Magnesium hydroxide	$Mg(OH)_2$
25	Oil of Vitriol or King of chemicals	Concentrated Sulphuric acid	H_2SO_4
26	Water	Dihydrogen oxide	H_2O
27	Ammonia	Trinirogen hydride	NH_3
28	King of Chemicals	Sulphuric acid	H_2SO_4

29	Fool's Gold	Iron pyrite	FeS_2
30	Quick silver	Mercury	Hg

AND LEARN CH 1 LANGUAGE OF CHEMISTRY

Do the following in your Chemistry Notebook

Balance the following chemical equations.

(*i*) $N_2 + O_2 \longrightarrow NO$

(*ii*) $NO + O_2 \longrightarrow NO_2$

(*iii*) $NO_2 + H_2O + O_2 \longrightarrow HNO_3$

(*iv*) $Pb(NO_3)_2 \xrightarrow{\Delta} PbO + NO_2 + O_2$

(*v*) $AgNO_3 \xrightarrow{\Delta} Ag + NO_2 + O_2$

(*vi*) $Ag_2CO_3 \xrightarrow{\Delta} Ag + CO_2 + O_2$

(*vii*) $C_{22}H_{46} + Cl_2 \longrightarrow C + HCl$

(*viii*) $CuSO_4 + NaOH \longrightarrow Na_2SO_4 + Cu(OH)_2$

(*ix*) $NaNO_3 \xrightarrow{\Delta} NaNO_2 + O_2$

(*x*) $KNO_3 \xrightarrow{\Delta} KNO_2 + O_2$

(*xi*) $NH_3 + Cl_2 \longrightarrow NCl_3 + HCl$

(*xii*) $NH_3 + Cl_2 \longrightarrow NH_4Cl + N_2$

(*xiii*) $PbO + HNO_3 \longrightarrow Pb(NO_3)_2 + H_2O$

(*xiv*) $NaOH + Cl_2 \longrightarrow NaCl + NaClO + H_2O$

(*xv*) $NaOH + Cl_2 \longrightarrow NaCl + NaClO_3 + H_2O$

(*xvi*) $CH_4 + O_2 \longrightarrow CO_2 + H_2O$

(*xvii*) $C_2H_6 + O_2 \longrightarrow CO_2 + H_2O$

(*xviii*) $C_2H_4 + O_2 \longrightarrow CO_2 + H_2O$

(*xix*) $C_2H_2 + O_2 \longrightarrow CO_2 + H_2O$

(*xx*) $Na + H_2O \longrightarrow NaOH + H_2$

(*xxi*) $Pb_3O_4 \xrightarrow{\Delta} PbO + O_2$

(*xxii*) $PbO_2 \xrightarrow{\Delta} PbO + O_2$

(*xxiii*) $Mg + HNO_3 \longrightarrow Mg(NO_3)_2 + H_2$

(*xxiv*) $NH_3 + CuO \longrightarrow N_2 + H_2O + Cu$

(*xxv*) $NH_3 + O_2 \longrightarrow N_2 + H_2O$

(*xxvi*) $H_2S + Cl_2 \longrightarrow HCl + S$

(*xxvii*) $H_2S + SO_2 \longrightarrow H_2O + S$

(*xxviii*) $H_2S + H_2SO_4 \longrightarrow H_2O + SO_2 + S$

(*xxix*) $S + HNO_3 \longrightarrow H_2SO_4 + NO_2 + H_2O$

(*xxx*) $C + HNO_3 \longrightarrow CO_2 + NO_2 + H_2O$

(*xxxi*) $P + HNO_3 \longrightarrow H_3PO_4 + NO_2 + H_2O$

(*xxxii*) $NaCl + H_2SO_4 \longrightarrow Na_2SO_4 + HCl$

(*xxxiii*) $Cu + H_2SO_4 \longrightarrow CuSO_4 + H_2O + SO_2$

(*xxxiv*) $KClO_3 \longrightarrow KCl + O_2$

(*xxxv*) $FeS_2 + O_2 \longrightarrow Fe_2O_3 + SO_2$.

Write the formulae and balance the following chemical equations:

(*i*) Zinc + dilute Sulphuric acid ⟶ Zinc sulphate + Hydrogen

(*ii*) Copper + conc. Nitric acid ⟶ Copper nitrate + Nitrogen dioxide + Water

(*iii*) Copper + dil. Nitric acid ⟶ Copper nitrate + Nitric oxide + Water

(*iv*) Ammonium chloride + Calcium hydroxide ⟶ Calcium chloride + Water + Ammonia

(*v*) Ammonia + Oxygen ⟶ Nitric oxide + Water

(*vi*) Manganese (IV) oxide + conc. Hydrochloric acid ⟶ Manganese (II) chloride + Water + Chlorine

(*vii*) Potassium dichromate + conc. Hydrochloric acid ⟶ Potassium chloride + Chromium chloride + Water + Chlorine

(*viii*) Sulphur dioxide + Oxygen ⟶ Sulphur trioxide

(*ix*) Zinc + Water ⟶ Zinc oxide + Hydrogen

(*x*) Aluminium + dil. Hydrochloric acid ⟶ Aluminium chloride + Hydrogen

(*xi*) Magnesium + Nitrogen ⟶ Magnesium nitride

(*xii*) Magnesium nitride + Water ⟶ Magnesium hydroxide + Ammonia

(*xiii*) Copper hydroxide $\xrightarrow{\Delta}$ Copper oxide + Water

(*xiv*) Potassium chlorate $\xrightarrow{\Delta}$ Potassium chloride + Oxygen

(*xv*) Zinc sulphide + Oxygen ⟶ Zinc oxide + Sulphur dioxide

4. BIOLOGY

Q1. Give reason for the following statements-

a) Cell is a structural and functional unit of life.
b) The shape of the nerve cells ensures an efficient communication system.
c) The xylem vessel is the main conducting element of xylem.
d) The composition of protoplasm can never be determined.
e) Nucleus is known as the control center of the cell.
f) Mangoes and tomatoes change their colours on ripening.
g) Meristematic cells are devoid of vacuoles.
h) Meristematic cells mainly helps in the growth of the plant body.
i) Parenchyma, collenchyma and sclerenchyma are together called as simple permanent tissue.
j) Xylem and phloem are together called conducting tissues.

Q2. Draw a well labeled diagram of the following-

a) A plant cell
b) An animal cell
c) A prokaryotic cell
d) A mitochondria
e) A chloroplast
f) A Nucleus
g) A part of stem showing three meristematic zone.
h) Diagrammatic comparison between parenchyma and collenchyma cells
i) T.S. of phloem
j) Fibers and sclereids

5. ENGLISH LANGUAGE

Q2) Informal Letter Writing

Write an informal letter to your cousin describing how you spent your summer vacation and the new experiences you had during the holidays.

Q3) Comprehension Passage

Rohan was a cheerful and hardworking boy who lived in a small village near a forest. Every morning, he helped his parents in the fields before going to school. One day, while returning home, he saw a little puppy trapped in a thorny bush. Without thinking about his own safety, Rohan carefully removed the thorns and rescued the frightened animal. He took the puppy home, fed it, and cared for it lovingly. Soon, the puppy became healthy and active. The villagers praised Rohan for his kindness and courage.

His teacher later told the class that true greatness lies in helping others without expecting anything in return.

Answer the following questions:

1. Where did Rohan live?

2. What did Rohan do every morning before going to school?

3. What did Rohan see while returning home one day?

4. How did Rohan help the puppy?

5. What lesson did the teacher teach the class?

Vocabulary Questions:

1. Give the meaning of the word ‘trapped’.

2. Write the opposite of ‘frightened’.

3. Find a word from the passage that means ‘bravery’.

4. Write the noun form of ‘kind’.

5. Find a synonym of ‘praised’ from the passage.

Q4) Grammar

A. Change the Tense as Directed:

1. She writes a letter. (Change into Past Continuous Tense)

2. They were playing football. (Change into Simple Present Tense)

3. I shall visit Delhi next week. (Change into Present Perfect Tense)

4. He has completed his homework. (Change into Simple Past Tense)

5. The children are singing songs. (Change into Future Continuous Tense)

B. Join the Sentences using an Infinitive:

1. He went to the market. He wanted to buy fruits.

2. She studies hard. She wants to secure good marks.

3. I went to the station. I wanted to receive my uncle.

4. They saved money. They wanted to buy a new car.

5. We exercise daily. We want to remain healthy.

C. Join the Sentences using a Participle:

1. The boy finished his work. He went out to play.

2. She heard the news. She started crying.

3. The teacher entered the class. He was carrying books.

4. The old man was tired. He sat under the tree.

5. The dog barked loudly. It chased the thief.

D. Join the Sentences using a Gerund:

1. He enjoys. He reads storybooks.

2. She avoids. She talks to strangers.

3. They love. They play cricket.

4. I dislike. I waste time.

5. We prefer. We walk in the morning.

E. State whether the Verb is Transitive or Intransitive:

1. The baby cried loudly.

2. She opened the window.

3. The birds fly in the sky.

4. He kicked the ball.

5. The sun shines brightly.

F. Auxiliaries and Modals:

1. You ___ obey your parents. (must/may)

2. ___ I borrow your pen?

3. She ___ swim very well. (can/ought)

4. We ___ respect our teachers. (should/could)

5. They ___ reach the station before sunset. (might/can)

Note- Do the work in your Language fair notebook.

6. ENGLISH LITERATURE

Learn Question Answers & word meanings of Ch- 1,2,3,& 5.

7. COMPUTER

Prepare a primitive data type table chart in a A4 size paper.

8. HISTORY AND CIVICS

Topic: History (Ch 1: The Harappan Civilisation) & Civics (Ch 1: Our Constitution)
Submission Requirement:

- Use your notebook(History/Civics Text Copy) for the assignment.
- Maintain clear headings for History and Civics sections.
- Write answers neatly, preferably in blue ink, with headings in black ink.
- Draw margins and keep the work organized.

Part A: History - Chapter 1: The Harappan Civilisation

1. **Short Answer Questions:** Answer all "Short Answer Questions" from the exercise of your textbook (Total History & Civics:Morning Star).
2. **Structured Questions:** Answer all "Structured Questions" with its sub-parts(a,b,c) of five questions.

Part B: Civics - Chapter 1: Our Constitution

1. **Short Answer Questions:** Answer Short Answer Questions 1,2 & 4 from the textbook exercise
2. **Structured Questions:** Answer Structured Questions 1(a), 3 & 4 with its sub-parts(a,b,c) from the textbook exercise.

Part C: Pictorial Study of Harappan Civilization & The Indian Constitution. Create a pictorial assignment in your notebook for History Chapter 1: The Harappan Civilisation and Civics Chapter 1: Our Constitution by pasting all textbook pictures, accompanied by a 4-5 line description covering origin, features, and significance.

Guidelines for Students

- Use colored printouts or photocopies of the pictures directly from the ICSE Total History & Civics textbook.
- Paste the picture on notebook and write 4-5 line description on the page.
- The description should explain what the picture represents and its historical or constitutional significance.

9.MATHEMATICS

I. Write and learn tables from 2 to 19.
II. Write and learn square values from 2 to 20.
III. Write and learn cube values from 2 to 12.
IV. Complete the following questions in a separate school notebook.

1. Evaluate: $\frac{9}{-10} + \frac{4}{15} + \frac{-3}{20} + \frac{8}{15} + \frac{9}{-20}$
2. Page 14 : Q10(i) and Q10 (ii)
3. Page 29: Q6
4. Represent 14/3 on a number line
5. Find the value of n, when $12^5 \times 12^{2n+1} = 12^{13} \div 12^7$
6. Evaluate: $(81 \times 3^{n+1} - 9 \times 3^n) \div (81 \times 3^{n+2} - 9 \times 3^{n+1})$
7. Page 92: Q16
8. Page 95: Q11
9. Page 120: Q5
10. Page121: Q7
11. Page150: Q12
12. Page 155: Q 3(iii) , Q3 (iv)
13. Page156: Q12

10. GEOGRAPHY

1. Prepare a report on the environmental effects of population growth. Use appropriate pictures and photographs wherever necessary. Assignment to be done in geography exercise book not exceeding more than ten pages.

2. Learn the question answers of chapter 2.