Holiday Homework
Class IX – English (2025–26)

1. Poster Making

Prepare a creative poster on “Swachh Bharat – Clean India, Green India”.

Include slogan, visuals, and a cleanliness message.

2. Short Story Writing

Write a short story (200–250 words) starting with:

“One morning, I woke up and found myself in another city …”

3. Song / Rap Writing

Write a song or rap about your school life.

4. Vocabulary Development

Write and learn 10 challenging words daily (minimum 50 words).

Write meaning and sentence for each.

5. Poetry Reading

Read 4 poems from your textbook.

Identify two figures of speech from each poem.

6. English Portfolio

Complete your English subject portfolio neatly.

Additional Tasks:

7. Diary Writing – Two diary entries (100–120 words each).

8. Reading Task – One story summary with moral.

9. Grammar Practice – Any one grammar topic(tense/narration) with 5 examples.

Hindi

शीतकालीन अवकाश गृहकार्य

प्र०1 अर्थ के आधार पर वाक्य के कितने भेद होते हैं? प्रत्येक की परिभाषा एवं दो उदाहरण लिखिए।

प्र०2 शिक्षाप्रद कोई दो लघु कथाएँ लिखो।

प्र०3 भारतीय अर्थव्यवस्था पर एक निबंध लिखिए।

प्र०4 घरेलू श्रम समाज का एक कोई विषय पर अपने शिक्षकों के साथ हुई वार्ता को संवाद के रूप में लिखिए।

प्र०5 केंद्र और राज्य पाठ हमें क्या संदेश देता है? कम से कम 250 शब्दों में लिखिए।

प्र०6 उपसर्ग, प्रत्यय और समास अलंकार की परिभाषा लिखिए एवं प्रत्येक के 3-3 उदाहरण दीजिए।

HOLIDAYS HOMEWORK CLASS IX

SOCIAL SCIENCE

1.Create a 4–6 frame comic strip showing how life becomes difficult without proper food.

End the comic with a message on food security.

2.Make a poster or collage on: “Save Food, Save Life”

3. Map on natural vegetation and wildlife

4. Thousands of tribals and other forest dollars gathered at pipariya in Hoshangabad district in Madhya Pradesh to protest against their proposed displacement from the Satpura National Park bori wildlife sanctuary and Pachmarhi wildlife sanctuary they are you that such a displacement is an attack on their lovely hood and believes government claves that their displacement is essential for the development of the area

and for protection of wildlife write a petition on behalf of the forest trailer to the NHRC a response from the government and report on the NHRC on this matter

5. Draw a web interconnecting different rights discuss in this chapter for example write to freedom of movement is connected to the freedom of occupation one reason for this is that freedom of movement enables a person to go to the place of work within once village or city or to another village city or state similarly this right can be used for pilgrimage connected with freedom to follow once religion draw a circle for each right and mark errors that shows connection between or among different right for each Arrow given example that shows the linkage

Class-IX

Sub: Science

Chapter 1: Atoms and Molecules

1.State the law of conservation of mass with a suitable chemical reaction.

2.Why is it not possible to see an atom with the naked eye?

3.Define atomic mass unit (amu). Why is it necessary to use it?

4.Explain the difference between atomic mass and molecular mass.

5.Calculate the molecular mass of the following:

a) $CaCO_3$

b) H_2SO_4

c) Na_2CO_3

6.Write the chemical formula of the following compounds:

a) Aluminium sulphate

b) Calcium nitrate

c) Ammonium phosphate

7.Differentiate between an atom and a molecule with examples.

8.What information does a chemical formula convey? Explain with an example.

9.Why should a chemical equation be balanced? Explain with a suitable example.

10.If 5.6 g of nitrogen reacts completely with hydrogen, how much ammonia will be formed? (Hint: Write the balanced equation first.)

11.Identify the law used:

"In a chemical reaction, the total mass of reactants is equal to the total mass of products."

Chapter 2: Structure of the Atom

12.Who discovered the electron? Write any two characteristics of electrons.

13.What are canal rays? Who discovered them?

13.State two limitations of Rutherford's atomic model.

14.How did Bohr overcome the drawbacks of Rutherford's model?

15.Define valency. How is it related to the electronic configuration of an element?

16.Write the electronic configuration of the following elements:

a) Sodium

b) Oxygen

c) Calcium

d) Chlorine

17.What is an isotope? Give two uses of isotopes.

18.What is an isobar? How are isobars different from isotopes?

19.Calculate the number of neutrons in the atom of the following elements:

a) $^{17}Cl^{35}$

b) $^{11}Na^{23}$

20.Why is the mass of an atom concentrated in the nucleus?

21.If an atom contains one proton and one electron, will it carry any charge? Explain.

22.Explain why atoms are electrically neutral.

23.Write two differences between protons and neutrons.

24.What information do we get from the atomic number of an element?

25.Why do noble gases show zero valency?

Class 9 th physics

1.A study on any topic in physics which they have studied in class 9 th

2.Chapter: Work, Power and Energy

Theory Questions

Define work. Write the SI unit of work.

State the conditions under which work is said to be done by a force.

What is kinetic energy? Write its mathematical expression.

State the law of conservation of energy.

Define power. What is its SI unit?

Differentiate between kinetic energy and potential energy (any two points).

What is mechanical energy?

Give two examples where potential energy is converted into kinetic energy.

Numerical Problems

A force of 10 N acts on an object and displaces it by 5 m in the direction of the force. Calculate the work done.

Find the kinetic energy of a body of mass 2 kg moving with a velocity of 4 m/s.

A stone of mass 1 kg is raised to a height of 10 m. Calculate its potential energy ($g = 10\ m/s^2$).

A motor lifts a load of 100 kg to a height of 10 m in 5 seconds. Calculate the power of the motor.

A car of mass 1000 kg moving with a speed of 20 m/s is brought to rest. Calculate its initial kinetic energy.

Calculate the work done when a force of 5 N moves an object through a distance of 3 m at an angle of 60° with the direction of displacement.

Holiday homework Class ix biology

1–The fundamental unit of life

Exercise–Que no –1,2,3,5,7,9 and 10

2–Tissues

Exercise— Que no –1,2,3 5,7,8,9,12,13, and 14

3–Improvement in food resources

Exercise—

Que no -1,2,3,4,6 8,and 9

4– Draw diagram of fig no .

5.5,5.6,6.2,6.5,6.7,and 6.12

Winter Break Holiday homework (2025-26) Class -9th

1) Exercise 2.3 Q.4 and Q.5 (All parts)
2) Write all identities with 2 example each
3) Write all congruency rule with figure and example
4) State and prove mid point theorem
5) Ex 9.2 Q5 and Q6 theorem 9.7
6) Heron's formula with 5 questions