# WINTER VACATION 2025-26 ASSIGNMENT-GRADE-IX

## TASK -I- ENGLISH

1-    Based on lesson "A House is Not a Home"

Answer following questions

1-    Imagine you are the author. Write a **diary entry** describing your feelings after finding your lost cat. (80–100 words)

2-    Write a **paragraph** on:

"**Why relationships are more important than material things.**" (60–80 words)

3-    What values do you learn from the story "A House Is Not a Home"? How can you apply them in your life? (50–60 words)

4-    Why **"must"** and **"should"** are important modals in our daily life? Explain with examples. (40–50 words)

5-    Write **five sentences** using different modals showing **rules and duties** of students.

6-    Write a **short paragraph (60–80 words)** on

"Things students must and should do during winter vacation."

## TASK -II- HINDI

"रीड की हड्डी" एकांकी के पात्रों उमा, बाबूराम स्वरूप, गोपाल प्रसाद, प्रेमा और रत्न पर लघु एक्ट करके यूट्यूब वीडियो बनाये । ये एक्ट आप अपने सहपाठी, अपने मित्रों अथवा अपने माता-पिता के साथ (को पात्र बनाकर) भी कर सकते हैं।

## TASK -III- SCIENCE

### PHYSICS

1-    Draw a neat labelled diagram showing:

- A moving object showing kinetic energy
- An object at height showing potential energy

2-    Why should we conserve energy? Mention any **three ways** by which students can save energy in daily life. (50–60 words)

### CHEMISTRY

1-    Draw a neat and labeled diagram of:

- (a) Thomson's model of atom
- (b) Rutherford's atomic model
- (c) Bohr's atomic model

2-    Mini Project:

"Contribution of Scientists in the Development of Atomic Structure"

(Include pictures, brief explanations, and a conclusion – 3 to 4 pages)

3-    How has the discovery of atomic structure helped in the development of **modern science and technology**? (Write in 100–120 words)

# BIOLOGY

1-    Draw neat, labeled diagrams of:

- (a) Sprinkler irrigation system

- (b) Drip irrigation system

- (c) Storage of grains

2-    Mini Project:

"Modern Agricultural Practices and Their Importance in Food Security"

(3–4 pages, include pictures, charts, and a conclusion.)

3-    "Farmers play a vital role in ensuring food security for the nation."

Explain this statement in 100–120 words.

## TASK -IV- SOCIAL SCIENCE

# HISTORY

1-    On an outline map of **Europe**, locate and label:

1- Germany

2- France

3- Poland

4- Austria

5- Italy

# GEOGRAPHY

Project Topic:        *Natural Vegetation and Wildlife of India*

Include the following points:

- Meaning and importance of natural vegetation

- Types of forests in India (with examples)

- Major wildlife species

- Threats to forests and wildlife

- Conservation measures

- Conclusion

## POLITICAL SCIENCE

1-       Prepare a poster or write **5 slogans** on:    "Know Your Rights – Protect Your Rights"

2-       Do you think Fundamental Rights can be misused? Give reasons. *(100 words)*

## ECONOMICS

1-       "Food security is essential for a healthy nation."  Comment  in 100 words.

2-       Prepare a **poster or chart** on:      "Food for All – Ending Hunger in India"

### TASK -V- PUNJABI

**1-**      ਰਚਨਾਤਮਕ ਕਾਰਜ (Creative Work):

- SECTION A-     ਮਾਤਾ ਗੁਜਰੀ ਜੀ ਦੀ ਤਸਵੀਰ ਬਣਾਓ ਅਤੇ ਹੇਠਾਂ 4–5 ਲਾਈਨਾਂ ਲਿਖੋ।

  SECTION B-     "ਮਾਤਾ ਗੁਜਰੀ ਜੀ – ਬਲਿਦਾਨ ਦੀ ਮੂਰਤੀ" ਵਿਸ਼ੇ 'ਤੇ ਇਕ ਪੈਰਾ ਲਿਖੋ।

2-       Based on Chapter ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ- Answer following questions

ਪ੍ਰਸ਼ਨ 1: ਤਹਿਜੀਬ ਦਾ ਕੀ ਅਰਥ ਹੈ?

ਪ੍ਰਸ਼ਨ 2: ਪੁਰਾਣੀ ਤਹਿਜੀਬ ਦੀਆਂ ਮੁੱਖ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 3: ਨਵੀਂ ਤਹਿਜੀਬ ਦੇ ਲੱਛਣ ਦਰਸਾਓ।

ਪ੍ਰਸ਼ਨ 4: ਨਵੀਂ ਅਤੇ ਪੁਰਾਣੀ ਤਹਿਜੀਬ ਵਿੱਚ ਕੀ ਅੰਤਰ ਹੈ?

ਪ੍ਰਸ਼ਨ 5: ਲੇਖਕ ਅਨੁਸਾਰ ਨਵੀਂ ਤਹਿਜੀਬ ਦੇ ਕੀ ਨੁਕਸਾਨ ਹਨ?

ਪ੍ਰਸ਼ਨ 6: ਨਵੀਂ ਤਹਿਜੀਬ ਦੇ ਕੀ ਲਾਭ ਹਨ?

ਪ੍ਰਸ਼ਨ 7: "ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ" ਪਾਠ ਤੋਂ ਸਾਨੂੰ ਕੀ ਸਿੱਖ ਮਿਲਦੀ ਹੈ?

### TASK -VI- MATH

1.     Activity Work

   o    Draw any triangle on graph paper.

   o    Measure its sides.

   o    Calculate its area using Heron's Formula.

   o    Paste the graph paper in your notebook and write the steps**.**

2-       Prove that the area of an equilateral triangle of side *a* using Heron's Formula is

$$\frac{\sqrt{3}}{4}\,a^2$$

3-      **Activity Work**

   o    Take any **cylindrical object** (glass, bottle, tin).

- o   Measure its radius and height.
- o   Calculate its **CSA, TSA, and Volume**.
- o   Paste a picture or draw the object and show all calculations.

4-   A solid is composed of a **cube surmounted by a hemisphere**.

The side of the cube is **14 cm**.

Find the **total surface area of the solid**.

5-   Can the **mean of a data set** be less than all its observations? Justify your answer.

6-   Why is a **Histogram** not drawn for **ungrouped data**?

7-   The table below shows the **daily wages (₹)** of workers in a factory:

| Wages (₹) | 200–250 | 250–300 | 300–350 | 350–400 | 400–450 |
|---|---|---|---|---|---|
| No. of Workers | 5 | 9 | 14 | 8 | 4 |

a) Draw a **Histogram**.

b) Identify the **modal class**.

c) Suggest one reason why most workers fall in this wage group.

# TASK -VII- INFORMATION TECHNOLOGY

1-   Case Study:

Ravi noticed that many people in his area were struggling to repair their mobile phones due to the lack of a nearby repair shop. He learned mobile repairing skills and opened a small repair centre. Slowly, his business started growing.

Questions:

1.   Identify the entrepreneurial qualities shown by Ravi.

2.   What opportunity did Ravi identify?

3.   How did skill development help Ravi become an entrepreneur?

4.   Suggest two ways Ravi can expand his business.

2-   Creative Work

- Draw or paste **pictures related to entrepreneurship**

  *(startup, business ideas, local entrepreneurs, etc.)*

- Write **5 inspirational quotes** related to entrepreneurs or success.