



SUGHAR SINGH ACADEMY, SWARN JAYANTI VIHAR
WINTER HOLIDAY HOMEWORK (2024-2025)
CLASS - VII

Subject	Homework
English	Solve the given worksheet.
Hindi	‘हमारे राष्ट्रीय पर्व’ तथा ‘ देशाटन’ पर निबंध लेखन कीजिए।
Mathematics	Solve the given worksheet.
Physics	Project work Write steps to earthquake safety (using pictures in a file or a chart) How is heat and temperature used in medical applications such as thermal imaging or cancer treatment.
Chemistry	Learn the given chapters : Ch – 6 Physical and chemical change, Ch – 9 Soil, Ch – 18 Journey of wastewater.
Biology	Prepare a working model of human circulatory system.
Computer	Create a web page in HTMLs on the topic cyber security and also learn Chapter 2 and Chapter 5 from book and notebook.
Social Studies	Project file- Compare cuisine history and geographical features of Arunachal Pradesh and Meghalaya.
Art	Prepare a hut with old news papers (by Folding newspapers)
Sanskrit	‘फल’ के शब्द रूप लिखकर व कंठस्थ करके आएं।



SUGHAR SINGH ACADEMY, SWARN JAYANTI VIHAR
WINTER HOLIDAY WORKSHEET(2024-2025)
SUBJECT - ENGLISH LANGUAGE
CLASS - VII

Q A: Read the passage carefully and answer the following questions:

The Power of Perseverance

Thomas Edison is one of the most famous inventors in history, credited with developing the electric light bulb. However, few people know about the struggles and failures he faced on his journey to success. Edison once famously said, "I have not failed. I've just found 10,000 ways that won't work." This attitude of perseverance defined his life and career.

Edison's early life was not easy. Born in 1847 in Ohio, USA, he struggled in school due to his hearing problems and was often misunderstood by his teachers. Eventually, his mother decided to homeschool him, recognizing his curiosity and love for experiments. Edison's first major invention was an improved telegraph machine, which he developed in his early twenties.

Perhaps Edison's greatest challenge was creating a practical and affordable electric light bulb. At the time, most inventors considered it impossible. Edison and his team worked tirelessly for years, experimenting with countless materials for the filament until they discovered carbonized bamboo worked best. This invention not only brought light into millions of homes but also transformed industries and daily life.

Edison's story teaches us that success is not about avoiding failure but about learning from it. Perseverance, determination, and a belief in one's vision can lead to extraordinary achievements.

1. Answer the following questions:

a. Who was Thomas Edison, and what is he famous for?

Ans: _____.

b. Why did Edison's mother decide to homeschool him?

Ans: _____.

c. What was Edison's first major invention?

Ans: _____.

d. How did Edison finally succeed in creating the electric light bulb?

Ans: _____.

e. What is the key lesson from Edison's story?

Ans: _____.

2. Fill in the blanks:

a. Edison faced _____ in school due to his hearing problems.

b. His mother recognized his _____ and decided to homeschool him.

c. Edison's team discovered that _____ worked best for the filament.

d. The electric light bulb transformed both _____ and daily life.

3. True or False:

a. Edison developed the electric light bulb on his first attempt.

b. His early struggles were partly due to hearing problems.

c. Edison's mother discouraged his experiments.

d. Carbonized bamboo was used in Edison's light bulb filament.

4. Vocabulary:

a. Write a synonym for "perseverance." _____

b. What does the word "transform" mean in the passage? _____

c. Write the antonym of "success." _____

QB Fill in the blanks with the correct prepositions:

1. The cat is hiding _____ the table.

2. She is fond _____ chocolates.

3. We have been living here _____ five years.

4. The ball rolled _____ the garden.

5. They are coming _____ us to the picnic.

Q C. Identify the verbs in the following sentences and state their types (action, linking, or helping):

1. The baby sleeps soundly.

2. She has completed her homework.

3. The soup smells delicious.

4. They were playing in the park.

5. He runs every morning.

Q D. Fill in the blanks with the correct form of the verb in brackets:

1. He _____ (write) a letter yesterday.

2. She _____ (go) to school every day.

3. I _____ (watch) a movie last night.
4. The children _____ (play) outside when it started raining.
5. We _____ (visit) the museum tomorrow.

Q E: Combine the following sentences using appropriate conjunctions:

1. I was tired. I went to bed early.
2. She can dance. She can sing.
3. We wanted to go for a walk. It started raining.
4. He worked hard. He failed the exam.
5. You must study. You will not pass the test.

Q F. Rewrite the following sentences in Passive Voice:

1. She wrote a beautiful poem.
2. They are painting the walls.
3. The chef has prepared the meal.
4. The teacher will explain the lesson tomorrow.
5. The children were watching a cartoon.

Q G. Rewrite the following sentences in Active Voice:

1. The cake was baked by Mary
_____.
2. The homework was completed by the students.
_____.
3. The house will be cleaned by the maid.
_____.
4. The flowers are watered by my father every day.
_____.
5. The movie had been watched by everyone.
_____.

Q H: Read the following sentences and identify their tenses:

1. She goes to school every day. _____
2. I was reading a book when he called. _____
3. They will play cricket tomorrow. _____
4. We have finished our homework. _____
5. The baby is crying loudly. _____
6. He had left before we arrived. _____
7. They are painting the house. _____
8. She will have completed her project by tomorrow.

Q I: Complete the sentences with the correct form of the verb in brackets:

1. He _____ (play) football every evening.
2. I _____ (read) a book when you called me.
3. They _____ (complete) their work by next week.
4. We _____ (watch) TV right now.
5. She _____ (visit) her grandparents last weekend.
6. He _____ (study) for the exam tomorrow.
7. The children _____ (wait) for the bus when it started raining.
8. I _____ (not finish) my homework yet.

Q J: Make a poster on any of the following topics :

- a) Donate blood
- b) Keep the earth green
- c) Save water
- d) Save girl child
- e) Stop violence against women

Note. Practice the grammar skills throughout the holidays.



SUGHAR SINGH ACADEMY (SWARN JAYANTI VIHAR)
SUBJECT: -HINDI (WORKSHEET 2024-25)
CLASS-VII

नोट- सभी प्रश्नों को हल करना अनिवार्य है।

1-निम्नलिखित संक्षिप्त प्रश्नों के उत्तर दीजिए।

(क) भारत में संविधान द्वारा मान्य कितनी भाषाएँ हैं? उनके नाम बताएं।

(ख) शब्द विचार किसे कहते हैं? शब्दों के कितने भेद हैं?

(ग) पर्यायवाची तथा विलोम शब्द में अंतर स्पष्ट कीजिए।

(घ) उद्देश्य किसे कहते हैं?

(ङ) वाक्यों का रूपांतरण कितने प्रकार से किया जा सकता है?

2- निम्नलिखित दीर्घ प्रश्नों के उत्तर दीजिए।

(क) दस उपसर्ग तथा दस प्रत्यय का प्रयोग करके शब्द निर्माण कीजिए।

(ख) निम्न की सारणी बनाएँ।

जातिवाचक शब्दों से भाववाचक संज्ञा, सर्वनामक शब्दों से भाववाचक संज्ञा विशेषण शब्दों से भाववाचक संज्ञा, क्रिया शब्दों से भाववाचक संज्ञा।

(ग) दस पुल्लिंग तथा उनके स्त्रीलिंग शब्दों के नाम लिखिए।

(घ) कारक चिह्न की सारणी बनाइये।

(ङ) एक से सौ तक गिनती हिंदी में लिखिए।

3- जन्मदिन के लिए मित्र को निमंत्रण पत्र लिखें।

4- 'वाणी एक अनमोल वरदान' विषय पर अनुच्छेद लेखन कीजिए।

5- 'हमारे राष्ट्रीय पर्व' अथवा 'देशाटन' में से किसी एक विषय पर निबंध लेखन कीजिए।



SUGHAR SINGH ACADEMY, SWARN JAYANTI VIHAR
WINTER HOLIDAY WORKSHEET(2024-2025)
SUBJECT - MATHEMATICS
CLASS - VII

A. Very Short Answer Type Questions:

1. Express $\frac{4}{25}$ as percentage.
2. Express 0.000325 as scientific form.
3. What will be absolute value of $7/-9$
4. Subtract $-6b$ from $11b$.

B. Short answer type questions:

1. If $x\%$ of 35 is 21. Find the value of x .
2. $\frac{15}{20} + x = \frac{3}{2}$ find the value of x .
3. Find the area of the circle whose radi is 14 cm.
4. Subtract: $(x^2 - xy) - (xy - y^2)$
5. Evaluate: $(\frac{1}{8})^2 + (\frac{1}{8})^3$

C. Long answer type questions:

1. Razia donated 400000 to a school with the condition that the interest income from this amount is to be utilized equally for providing free education to 5 deserving students. If this amount earns an interest of 10% per annum, what does each student get every year?
2. A rectangular plot is 60 m by 50 m. Two cross roads each 3 m wide are running through the middle of the field, such that each path is parallel to one of the sides of the rectangle. Find the total area used as path. Also find the cost of graveling the roads at 4.50 per m^2 .
3. Simplify: $[(5x^2 - 3y^2) - (3y^2 - 4z^2) - (4z^2 - 5x^2)]$
4. 3. If a bank pays an interest of $\square 96$ for 3 years on a sum of $\square 800$, find the rate of interest.
5. A man had $\square 4000$, part of which he lent at 5% and the rest at 4%. The whole interest received was 190. How much did he lent at 4%?
6. A labourer borrowed 15000 from a money lender at 13% per annum at simple interest. At the end of 3 years he settled the account after paying 8000 cash and a scooter. Find the value of the scooter.
7. A man deposited 5000 in a post office and got 800 as interest. If the post office pays 8% per annum as interest, for how long did he deposit the money?