

# SSC ACADEMY SR. SEC. SCHOOL, BHORA KALAN

## WINTER HOLIDAY HOMEWORK

### CLASS – VI

#### Instructions:

- Revise PA-4 Syllabus of all the subjects.
- Do complete syllabus in a separate notebook.
- Prepare 1 Chapter of each subject and you've to explain the chapter in front of the class like Teacher.

#### Subject- English

1. Make a list of ten words each which have silent letter t, g, and k in them.
2. Write the importance of English language in your own words.
3. Write two new words daily. Find out their meaning and make sentences.
4. Do Test 1 and Test 2 given in your grammar book.
5. Write 20 forms of Verbs in Notebook.
6. Read the newspaper daily for better reading.

#### Subject-Hindi

##### वसंत भाग 1

पाठ 11 ऐसी बड़ी न होऊँ मैं

पाठ 12 नौकर के प्रश्न/उत्तर याद करो

व्याकरण- पाठ -5 शब्द भंडार याद करें

मेरा प्रिय खेल अथवा पर्यावरण विषय पर निबंध लिखे , अपनी छुट्टियों के अनुभव साझा करते हुए दो मित्रों के मध्य संवाद लिखें

परियोजना कार्य - कबीर के दोहे सुंदर चित्र सहित लिखें, गांधीजी का चित्र बनाकर उनके ऊपर 10 पंक्तियाँ लिखें।

गतिविधियाँ- मजेदार व ज्ञानवर्धक पहेलियाँ वर्ग पहेली हल करें।

अपनी पसंद की कोई कहानी पढ़ें कक्षा में चर्चा के लिए।

#### Subject- Mathematics (Tulip & Rose)

Chapters: Mensuration & Algebra

Instructions: Attempt all questions. Show your working neatly.

#### **Section A – Mensuration (8 Questions)**

1. Find the perimeter of a rectangle whose length is 12 cm and breadth is 8 cm.
2. Find the area of a square with side 9 cm.
3. A rectangular garden is 15 m long and 10 m wide. Find its area.
4. The length of a rectangle is 18 cm and its breadth is 7 cm. Find its perimeter.
5. Find the area of a rectangle whose length is 20 m and breadth is 6 m.
6. The perimeter of a square is 32 cm. Find the length of one side.
7. A floor is 12 m long and 5 m wide. Find the cost of carpeting it at ₹15 per square metre.
8. Find the area of a square park whose side is 25 m.

## Section B – Algebra (7 Questions)

9. Write an algebraic expression for: “5 more than twice a number  $x$ ”.
10. Simplify:  $4x + 7x - 3$ .
11. Find the value of:  $6y - 4$  when  $y = 3$ .
12. Write an expression for the perimeter of a rectangle whose length is  $l$  and breadth is  $b$ .
13. Simplify:  $9a - 4a + 6$ .
14. Find the value of:  $3m + 5$  when  $m = 4$ .
15. Write an algebraic expression for: “The sum of  $x$  and 12 multiplied by 2”.

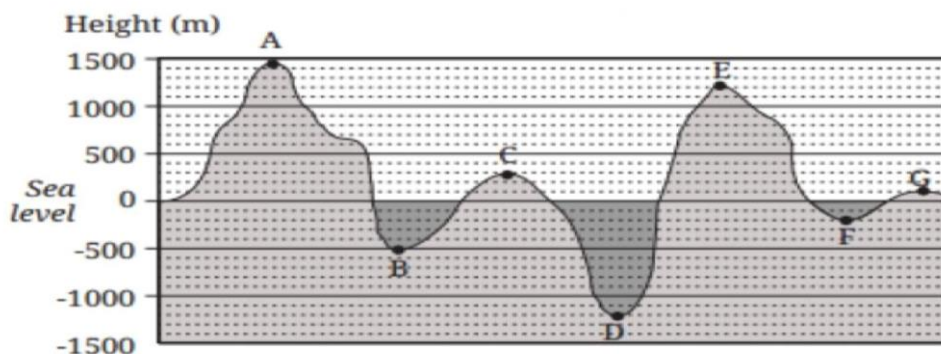
✦ **Holiday Tip:** Try to relate mensuration problems with real-life examples like rooms, gardens and playgrounds.

## Subject- Mathematics (Sunflower)

1. The prime factorization of a number has one 2, two 3s, and one 11. What is the number?
2. Who am I?
  - (a) I am a number less than 40. One of my factors is 7. The sum of my digits is 8.
  - (b) I am a number less than 100. Two of my factors are 3 and 5. One of my digits is 1 more than the other.
3. Using divisibility tests, which of the following numbers are divisible by 4?
  - (a) 4096
  - (b) 21084
  - (c) 31795012
  - (d) All of these
4. Write the smallest 4-digit number using only prime digits.
5. What is the difference between the largest prime number below 50 and the smallest prime number above 50?
6. Find the sum of all prime numbers between 1 and 40.
7. Find the sum of all prime numbers between 50 and 90.
8. Suppose you start with 0 rupees in your bank account and then you have debits of ₹1, 2, 4, 8, 16, 32, 64 and 128 and then a single credit of ₹ 256. What is your bank account balance now?

(Direction Ques 9 to Ques 12) Looking at the geographical cross-section fill in the respective heights:

A  B  C  D   
E  F:  G



9. Which is the highest point in this geographical cross-section? Which is the lowest point?
10. Can you write the points A, B, \_\_\_\_\_ and G in a sequence of decreasing order of heights?  
Can you write the points in a sequence of increasing order of heights?
11. What is the highest point above sea level on Earth? What is its height?

12. What is the lowest point with respect to sea level on land or on the ocean floor? What is its height? (This height should be negative)..

13. Simplify:

(a)  $-914+555-254-512$

(b)  $254-(-845)+154-147$

(c)  $-476+555+127$

### **Subject- Science**

7- Day Water Diary (Observation Task)

For one week, track how water is used at home. Make a simple table with:

- Activity (brushing, cooking, washing etc.)
- Approximate water used
- One idea to reduce wastage of water

Make one- page neat record with a short conclusion.

#### ❖ Research + Awareness

Find one real news, article or incident related to:

- Water shortage
- Floods
- Droughts
- Water pollution

Write a short note covering:- What happened? Where? Why is water management important?

#### ❖ Creative Writing

Write a short story of minimum 120-150 words titled: "Why does the bulb refuse to glow?" Include:

- A broken wire
- An open switch
- A missing cell

#### ❖ Learn Chapter – 14 (Electricity and Circuits)

**Activity:**

1. Do semester 2 Test Paper from your book.
2. Create an air mask that can filter out air pollutants from reading available materials.

### **Subject- Social Science**

1. Make a political map of India by Hand

I) Label all states with their capital and the Union Territories.

II) On the Physical Map of India, label all the neighbouring countries.

**Creative Activity:** Economic Activities Around Us

Objective: Understand primary, secondary and tertiary sector activities in daily life.

Steps: 1. Draw three columns on the fair note book and label them: Primary, Secondary and Tertiary.

2. List or paste pictures of activities you see around you in each sector

**Primary:** Farming, Fishing, Mining

**Secondary:** Milk processing, making clothes, factories

**Tertiary:** Teacher, doctor, shopkeeper, transport services.

2. Create a scrapbook showing the Indus Valley Civilization

Include drawings of Harappa, Mohenjo-daro, houses, tools, seals etc. Write 2-3 lines explaining how people worked hard in daily life.

3. My work, My Pride- Activity Diary

Maintain a small diary for one week. Mention your daily routine (helping parents, cleaning, studying).

### **Subject- SKT**

- प्र.1 धातुरूपाणि : लट्, लृट् लकारः च चिह्नानि योजयित्वा पठ्, चल्, गच्छ लिखत स्मरत च ।
- प्र.2 शब्दरूपाणि : अकारान्त पुल्लिङ्ग शब्दरूप चिह्नानि योजयित्वा बालक, देव शब्दरूप लिखत स्मरत च ।
- प्र.3 पाठ – 10, 11 उत्तरपुस्तिकायाम् पूर्णं कुरुत स्मरत च ।
- प्र.4 अष्ट वर्णानाम् नामानि लिखत स्मरत च ।

### **Subject- General Knowledge**

Learn the following current affairs:

1. What natural disaster affected Sri Lanka and Southern India in late Nov 2025?  
**Ans.** Cyclone
2. Who launched the first fully digitised marine census in India?  
**Ans.** Government
3. Where did large student protests occur over government budget plans in late Nov 2025?  
**Ans.** Bulgaria
4. What big airline in India cancelled thousands of flights?  
**Ans.** Indigo
5. Who received India's humanitarian mission to Sri Lanka after Cyclone Ditwah?  
**Ans.** India
6. What type of partnership was launched by India, Australia, and Canada?  
**Ans.** Technology
7. Where was a large limestone auction held in Nov 2025?  
**Ans.** Jammu
8. What exercise began between India and Nepal in Pithoragarh?  
**Ans.** SURYA-KIRAN
9. What festival from India was added to UNESCO's heritage list?  
**Ans.** Deepawali
10. What energy capacity is planned to grow in India by March 2026?  
**Ans.** Nuclear

Explore 10 famous spots of your state Haryana and prepare a list and write a few lines about it.

### **Subject- Computer**

1. Learn chapter- 8 Introduction to Programming and Chapter-9 Python
  2. Activity Work ( on A4 size sheet)
- Roll no. 1 to 10- Types of computer languages
- Roll no. 11 to 20- Symbols used in flow chart
- Roll no. 21 to 30- Different types of social networking sites
- Roll no. 31 onwards- Uses of Internet