

### SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL JEEVAN NAGAR JAMMU SESSION:-2025-26





## SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL, JEEVAN NAGAR, JAMMU Established in 1969 SUMMER VACATIONS 2025–26

#### **GENERAL INSTRUCTIONS**

### For Students:

- 1. Complete your holiday homework independently as much as possible.
  - 2. Use a separate notebook for each subject.
  - 3. Ensure your handwriting is neat and presentable.
- 4. Work under the supervision and guidance of your parents or guardians.
  - 5. Mention the date and day with each day's work.
- 6. Practice writing regularly to improve your writing skills.
  - 7. Take good care of your health and hygiene.
  - 8. Avoid playing in the hot sun or overly warm places.
    - 9. Make it a habit to pray daily and stay spiritually connected.

#### For Parents:

- 1.Ensure that holiday homework is completed under your supervision.
  - 2. Kindly send the completed work in a paper bag .
  - 3. Encourage your child to spend time outdoors in the evenings.
- Involve your child in a creative activity of your choice and submit the outcome to school after the break.
- Help your child create and follow a structured timetable during the vacation.
- 6. Instill a sense of responsibility in your child by assigning simple household tasks.

### **Contact Details:**

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## SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL JEEVAN NAGAR, JAMMU GENERAL INSTRUCTIONS

- Holiday homework must be completed neatly and in a well-organized manner. Ensure that the questions are answered in the sequence provided.
- 2. Assessment will be based on presentation, neatness, completeness, and timely submission of all tasks.
- 3. For project work, strictly follow the instructions provided wherever applicable.
- 4. Avoid the use of plastic and thermocol in any part of your project or homework.
- Revise all subjects regularly during the holidays to prepare for upcoming assessments.
- 6. Parents are requested not to complete the work for their children. Instead, provide guidance and encourage your child to complete the tasks independently. Only original work by the student will be appreciated.
- 7. Handmade projects and homework will be evaluated based on neatness and creativity. Work purchased from shops will not be considered. School will reopen on 17-7-25
- 8. Holiday homework submission date: 11-7-25
  - Timing:Roll Nos. 1-20: 11:30 Am to 12:00 Noon
  - Roll Nos. 21 onwards: 12:00 Noon to 12:30 Pm
  - Entry and exit through Gate No. \_\_\_4\_\_\_\_
- 9. Late submissions or latecomers will not be accepted and will not be entertained by the school administration.

NOTE: The Office will remain open from 8:30 Am to 1:00 Pm during Summer Break.

Dear students,
You are required to complete the project work
assigned to you as per your roll number
mentioned in the table provided.

Please note that for Science, the project work is mandatory for all students. Make sure you follow the instructions carefully and complete your work with sincerity and creativity.

Wishing you all the best!

SUBJECTS	ENGLISH	HINDI	MATHS	SOCIAL SCIENCE	
ROLL NO.	1, 5, 9, 13, 17, 21, 25, 29, 33, 37	2, 6, 10, 14, 18, 22, 26, 30, 34, 38	3,7,11,15, 19,23,27, 31,35,39	4, 8, 12, 16, 20, 24, 28, 32, 36, 40	



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### ENGLISH

Q1:- Sketch the character of 'MATILDA' with a special reference to, "Beti Bachao Beti Padhao" Q2:- Would you suggest some other ending to "THE PROPOSAL"? If yes What ,if no Why? Q3:- Write briefly about the humorous situations in 'An Excellent Father'. Q4 :- "A lawless scientist is a curse to society". Discuss. (Footprints without feet) Q5:-Give a brief sketch of Anne's life. (From the diary of young girl) ", Q6:-How is the 'non- serious attitude of youngsters towards marriage 'one of the major themes of the play The Proposal "? Poetry skills Q1:- Read the extract and answer the following questions Belinda was as brave as a barrel full of beard, And Ink and Blink chased lions down the stairs, Mustard was as brave as a tiger in a rage, But Custard cried for a nice safe cage. Belinda tickled him, she tickled him unmerciful, Ink, Blink and Mustard, they rudely called him Percival, They all sat laughing in the little red wagon At the realio, trulio, cowardly dragon. OUESTIONS: ·Name the poetic devices used in the above stanza. ·Why did custard cry for a nice safe cage? ·"Belinda tickled him, she tickled him unmerciful...." Why? ·What is meant by the word "Percival" in the given extract? Q2 :-Identify the poetic devices in the below lines and explain it. But one man loved the pilgrim soul in you And loved the sorrows of your changing face; Q3:- Write down the summary and central idea of the poem 'Miracles'. Q4 :-Comment on the poetic devices in the poem 'When you are old' Q5:- Write ten examples of Metaphor and Simile used in the poems of your textbook 'Tulip series book 'The examples should be from those poems which you have studied in the classroom. Q6 :- comment on the images used in the poem 'Prayer'. Grammar writing skills Q1. Rewrite the following passage changing the form of speech. O"What were you doing? "said he to me. I said," I was doing my assignment." You should play in the afternoon. It will keep you fit." "Thank you for your advice." Q2. Complete the following dialogues with Modals. \_\_\_\_(A- May/Shall)I borrow these four books, please. OMr. Sharma: Students \_\_\_\_ (B - will/can) only borrow two books at a time. Library rules. Maya: \_\_\_ ( C- will/could) you please let me borrow just one more? I \_ (D - must /have to) submit my assignment next week. I promise to return them all on OMr. Sharma: Hmm... Well, in this case, you \_\_\_\_ (E- can / should) take one more as long as you're very careful with them.

### **ENGLISH**

Q3. Write an informal letter to your friend Rudra inviting him to spend the summer vacation at your place in Jammu. You are Sakshi/ Saksham. Do not exceed 120–150 words. You are Sakshi/ Saksham. Do not exceed 120–150 words

Q4. Choose the correct form of the verb that agrees with the subject.

- · Annie and her brothers (is, are) at school.
- · Either my mother or my father (is, are) coming to the meeting.
- · The dog or the cats (is, are) outside.
- · Either my shoes or your coat (is, are) always on the floor.
- · George and Tamara (doesn't, don't) want to see that movie.
- · Benito (doesn't, don't) know the answer.
- · One of my sisters (is, are) going on a trip to France.
- · The man with all the birds (live, lives) on my street.

Q5. Inter-debate Competition of XYZ school was to be held on 1st August 2024 Which has been postponed due to unavoidable circumstances. Draft a notice for the School Notice Board to inform participants about the change in 50 words.

Q6. Insert 'a', 'an' or 'the' wherever necessary:

- a)I did not enjoy dinner he gave me.
- b)They were first to reach station.
- c)Sooner it is done, better it will be.
- d)I met him year ago at home of richest man of town.
- e)Black and white cow is for sale.
- f) Child was looking at pictures when there was a knock at the door.
- Q7. Define message writing and write the format of message writing.
- Q8. Punctuate the following passage.

One day walking together up a hill I said to Friday do you not wish yourself in your own country again yes he said what would you do there said I would you turn wild and eat mens flesh again he looked full of concern and shaking his head said no.

Q9. your grandfather is very upset about the rising prices and keeps thinking of his olden times when things were very cheap. You are convinced that inflation has made life difficult for common man. Write a letter in 100–120 words to the editor of a national daily describing the difficulties faced by poor families.

10. Write a paragraph on" The Importance of Time Management.'

## ENGLISH

## Project Tile:-

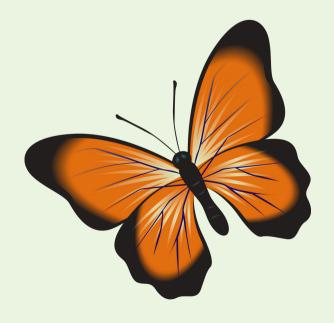
"How does spending time in nature influence creativity and personal growth through hobbies?"

You can explore this question by:

Observing nature (parks, gardens, beaches, etc.).

Documenting your experiences through a hobby (like drawing, writing, photography, gardening, etc.).

Reflecting on how these activities affect your mood, creativity, and thinking.



# 503

## HINDI

प्रश्न 1 वस्तुनिष्ठ प्रश्न पाठ - कैकेयी का अनुताप पाठ - पर्वत प्रदेश में पावस



(प्रत्येक पाठ में से दस-दस लघु प्रश्नोत्तर लिखिए।)

प्रश्न 2 व्याकरण

- क) मुहावरे (20)
- ख) पर्यायवाची शब्द (20)
- ग) वाक्यांश (२०)
- घ) अनेकार्थी शब्द (20)
- ङ) विलोम शब्द (20)



नोट:- लिखें तथा याद करें।

प्रश्न 3 निबंध - 1) विज्ञान के एक नवीनतम देन

2) विद्यार्थी और अनुशासन

प्रश्न 4 पत्र लेखन:- पारिवारिक पत्र (कोई दो लिखें।)



प्रश्न 5 परियोजना कार्य :- वर्तमान समय में पर्यावरण के सामने अनेक बड़ी चुनौतियां क्या है और उनका समाधान करने में आप विद्यार्थी कैसे अपना योगदान दे सकते हैं इसको चार्ट पर चित्र के माध्यम से दर्शाते हुए अपने विचार

व्यक्त कीजिए।



## Maths

### THEME: MATHEMATICS BEYOND THE BLACKBOARD

- Q1. A mural artist is designing a large wall painting. She uses a scaled-down triangular sketch where the triangle sides are 3 cm, 4 cm, and 5 cm. The actual mural triangle will be enlarged but similar in shape, with the longest side being 15 meters.
- a) Find the scale factor.
- b) Find the lengths of the other two sides.
- c) Justify the similarity and explain how real-life artists use triangle similarity.
- Q2. A rectangular park is to be redesigned such that the length is 4 m more than its breadth. Due to fencing costs, the area is fixed at 60 m<sup>2</sup>.
- a) Form a quadratic equation in terms of the breadth.
- b) Solve the equation to find the dimensions.
- c) Suggest how mathematical modelling like this is useful in real estate planning.
- **Q3. Long Answer Type Questions**
- a) Find the HCF and LCM of 96 and 404 by prime factorisation, and verify that HCF  $\times$  LCM = Product of the numbers.
- b) If the zeroes of the polynomial  $x^2 + 2x + k$  are equal, find the value of k. Also verify the relation between zeroes and coefficients.
- c) The product of Ramesh's age 5 years ago and 7 years from now is 120. Find his present age.
- d) State and prove Basic Proportionality Theorem
- e) Prove that the lengths of the tangents drawn from an external point to a circle are equal.
- **Q4. Short Answer Type Questions**
- a) Find two numbers whose sum is 27 and product is 182.
- b) Find the zeroes of the polynomial  $4x^2 + 8x$  and verify the relationship between zeroes and coefficients.
- c) Solve:  $2x^2 + 3x 5 = 0$  using the quadratic formula.
- d) In triangle ABC, D and E are points on AB and AC respectively, such that AD/DB = AE/EC. Prove that DE  $\parallel$  BC.
- e) Prove that a parallelogram circumscribing a circle is a rhombus.



## Maths

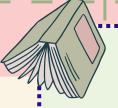
### **Q5.** Very Short Answer Type Questions

- a) What is the LCM of 8 and 12?
- b) Write the degree of the polynomial  $2x^4 x^3 + 5$ .
- c) State the condition for a quadratic equation to have real and equal roots.
- d) Write any one criterion for the similarity of triangles.
- e) What is a tangent?

### PROJECT WORK

MAKE A CHART OR FILE ON APPLICATIONS OF QUADRATIC EQUATIONS IN REAL LIFE





### SCIENCE



- Q 1. Situation: During a science exhibition, Riya demonstrated how a convex lens can be used to focus sunlight to burn a piece of paper. She also explained the dangers of doing this carelessly, as it can cause fires.

  Questions:
- a) What principle of light is demonstrated in this experiment?
- b) Mention two values displayed by Riya in this situation.
- Q 2. Situation: While performing a lab experiment, Arjun noticed that his classmate was not wearing safety goggles. He immediately stopped him and explained the risks of handling chemicals without proper protection.
- **Questions:**
- a) Why is it important to wear safety goggles during chemical experiments?
- b) Identify two values shown by Arjun in this scenario.

### **Very Short Answer**

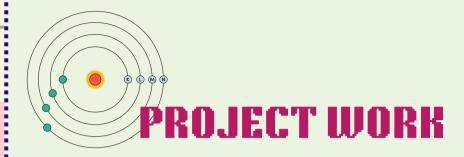
- 1. Which phenomenon explains why a pencil appears bent in a glass of water?
- 2. Name the acid present in gastric juice that aids protein digestion.
- 3. What gas is released when potassium chlorate decomposes on heating?
- 4. Identify the eye defect corrected using cylindrical lenses.
- 5. Which plant tissue transports sugars from leaves to other parts? Short Answer
- 6. A student observes that silver articles turn black when exposed to air. Explain the chemical process and write the balanced equation.
- 7. Compare the nature of images formed by concave and convex mirrors (any two differences).
- 8. Draw a flow chart showing the pathway of air in human respiration.
- 9. Why does the Sun appear reddish at sunrise but white at noon? Use diagrams to support your answer.
- 10. When magnesium ribbon burns in oxygen, a powdery ash forms. Identify the product and state whether it's acidic or basics.

#### **Long Answer**

- 11. Design an experiment to demonstrate that light is essential for photosynthesis. Include:
- Procedure steps
- Expected observation
- Chemical equation involved
- 12. "Chemical reactions sustain life but can also harm the environment." Justify with:
- One life-supporting reaction (with equation)
- One environmentally damaging reaction
- Preventive measure
- 13. Trace the journey of a light ray from air into a glass prism and back to air. Explain how this causes spectrum formation with a labeled diagram.
- 14. Create a comparative study table between aerobic and anaerobic respiration covering:
- Location in cells
- Energy output
- By-products
- Industrial applications
- 15. Investigate how human vision adapts to:
- Low light conditions (biological changes)
- Bright light (protective mechanisms)
- Suggest one technology inspired by these adaptations

## SCIENCE





### **Practice Question:**

Using the given list of cations and anions, form different ionic compounds by pairing them appropriately. Write both the chemical formula and the correct name for each compound formed.

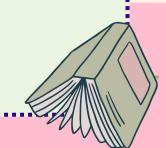
#### **List of Ions:**

**Cations (Positive Ions):** 

- 1. Sodium (Na+)
- 2. Potassium (K+)
- 3. Calcium  $(Ca^{2+})$
- 4. Magnesium (Mg<sup>2+</sup>)
- 5. Aluminum  $(Al^{3})$
- 6. Iron(II) or Ferrous (Fe<sup>2+</sup>)
- 7. Iron(III) or Ferric (Fe<sup>3+</sup>)
- 8. Copper(I) or Cuprous (Cu+)
- 9. Copper(II) or Cupric (Cu<sup>2+</sup>)
- 10. Zinc  $(Zn^{2+})$
- 11. Ammonium (NH<sub>4</sub>+)
- 12. Silver (Aq+)
- 13. Lead(II)  $(Pb^{2+})$
- 14. Barium (Ba<sup>2+</sup>)
- 15. Lithium (Li<sup>+</sup>)

### **Anions (Negative Ions):**

- 1. Chloride (Cl-)
- 2. Oxide (0<sup>2</sup>-)
- 3. Sulfide (S<sup>2</sup>-)
- 4. Nitrate (NO<sub>3</sub>-)
- 5. Carbonate (CO<sub>3</sub><sup>2</sup>-)
- 6. Sulfate (SO<sub>4</sub><sup>2</sup>-)
- 7. Hydroxide (OH-)
- 8. Phosphate (PO<sub>4</sub><sup>3</sup>-)
- 9. Fluoride (F-)
- 10. Bromide (Br-)
- 11. Iodide (I-)
- 12. Acetate  $(C_2H_3O_2^-)$
- 13. Permanganate (MnO<sub>4</sub>-)
- 14. Dichromate  $(Cr_2O_7^{2-})$
- 15. Nitrite (NO<sub>2</sub>-)





## SOCIAL SCIENCE



THEME: EMBRACING NATURE: CONSERVATION AND SUSTAINABILITY

- 1) THEME BASED QUESTIONS:
- A. Can Global Cooperation between countries on Environmental protection effectively prevent

the negative neglects of climate change.

- B. Can Biotechnology contribute the effective fight against Global Species Extinction.
- II) LONG ANSWER TYPE QUESTIONS:
- 1) Discuss the importance of Conservation of Natural Resources ans its impact on human society.
- 2) What is sustainability. Why is it important.
- 3) What are the different pillars of Sustainability?
- **III) SHORT ANSWER TYPE QUESTIONS:**
- 1) What is Wild Life Conservation?
- 2) What are some challenges to achieving Sustainability?
- 3) What are the threats to Bio diversity?
- IV) VERY SHORT ANSWER TYPE QUESTIONS:
- 1) What is meant by Resource Efficiency.
- 2) What is Social Equity in relation to Sustainability.

### Project Work

Make a Project on different approaches of biodiversity conservation including

- In-situ and Ex-situ methods of Conservation.







