

KENDRIYA VIDYALAYA ONGC JORHAT

SUMMER HOLIDAY HOMEWORK 2025

CLASS: 6th

ENGLISH

Q1. Explain in your own words the journey of Rama Natha from disbelief to realization of the true meaning of hardwork. (50-60 words)

Q2. Write the summary of the poem "The Raven and the Fox" in your own words. (40-50 words)

Q3. Make your own alliteration sentence using the letters: C, D, G, K, S, T

Q4. Read the passage below and rewrite it using correct punctuation (capital letters, commas, full stops, question marks, quotation marks, etc.).

One day maya went to the market with her mother they bought fruits vegetables and some bread on their way back maya saw a puppy sitting near a tree look at that puppy she said can we take it home mother smiled and replied we will ask your father first

SANSKRIT

1. संस्कृत आप सभी संस्कृत के पाठ 1 और पाठ 2 का प्रश्नोत्तर को याद करके आर्येंगे।
2. पाठ 1 और पाठ 2 के शब्दार्थ को लिख कर एवं याद करके आर्येंगे।
3. अपना परिचय संस्कृत में लिख कर लायेंगे।
4. 1 से लेकर 50 तक गिनती संस्कृत लिख कर लायेंगे

ASSAMESE

প্রশ্ন ১ --যিকোনো পাঁচটা জন্তুৰ ছবি A4 জোখৰ কাগজত লগাই নাম লিখা |

প্রশ্ন ২ -- প্রতিদিনে স্বৰবৰ্ণ আৰু ব্যঞ্জন বৰ্ণ সমূহ লিখা |

English version -

Q 1 -- Paste pictures any five animals and write their names.

Q 2 -- Write Swarvarna and vyanjan varna everyday .

ART

Theme: Creative Fun with Shapes and Forms

1. Create a Zentangle Design – Use repeated patterns in a shape (like a bird or leaf).
2. Still Life Sketching – Draw and shade any 2 household objects.
3. Draw a Comic Strip – Based on a summer vacation scene.
4. Warli Art Practice – Draw a basic Warli village scene.
5. Collage Work – Cut images from magazines and create a theme-based collage (e.g., “Healthy Life”).
6. Design a Summer Greeting Card – Use colour pencils or sketch pens.

हिंदी

प्रश्न १. इन वाद्य यंत्रों के नाम लिखो और चित्र भी बनाओ ।



प्रश्न २. अपने मनपसंद खेल का चित्र बनाओ और उस पर दस लाइने लिखो ।

प्रश्न ३. स्वतंत्र भारत के प्रमुख दो हिन्दी कवियों के चित्र चिपकाकर उनके बारे में लिखो ।

प्रश्न ४. भाषा और लिपि को रचनात्मक तरीके से समझाओ । उधारण के लिए कुछ इस प्रकार



प्रश्न ५. कहानी लेखन

चित्र देखकर कहानी लिखो । 📖



SOCIAL SCIENCE

1. Map work
 - (i) Label and locate states and union territories on India Map and paste in your notebook.
 - (ii) Label and locate Continents and Oceans on World Map and paste in your notebook.
2. What is a Map? What are the different types of Maps? Explain.
3. Write about a tourist place of India which you like the most.
4. What are the three components of Maps? Explain with examples.
5. What are the Latitudes and Longitudes.
6. Write about them-
 - (i) Geologists (ii) Palaeontologists (iii) Anthropologists (iv) Archaeologists.
7. Delhi's and Bengaluru's latitudes are 29°N and 13°N ; their longitudes are almost the same, 77°E . How much will be the difference in local time between the two cities? the name of India's neighboring nations.
8. Write the names of all the states and union territories of India and their capitals.
9. Write about the fundamental rights of Indian citizens given by the Indian Constitution.
10. Write about on a local historical place nearby you.



SCIENCE

1. Nature Journal Creation:

Explore surroundings (garden/park/neighborhood) and record **5 different plants and 5 animals/insects** you observe. For each, include:

- Name (local and scientific if possible)
- Drawing or pasted photo
- Habitat and special features
- One interesting fact

2. Biodiversity Collage:

Make a collage using magazine cut-outs or drawings showing **variety of living organisms** under categories: plants, animals, insects, aquatic life, etc.

3. Poster Making:

Design a **poster on "MyPlate" (balanced diet)** showing portions of fruits, vegetables, grains, protein, and dairy.

4. Create a Healthy Recipe Booklet:

Students write down **3 easy healthy recipes** they enjoy or prepare with help from parents (e.g., fruit salad, sprouts chaat), with drawings or photos.

A.I. (COMPUTER)

Draw a chart in MS WORD to show various types of Intelligence with examples and take a print out and paste it in your notebook.

Create a collage in MS WORD to show advantages and disadvantages of AI and take a print out and paste it in your notebook.

LIBRARY

1. Write total 20 quotations in (Hindi or English) in the following themes:

- A. Education
- B. Books
- C. Reading
- D. Library

2. Write short notes on the following topics:

- A. International Day of Yoga
- B. World environment day

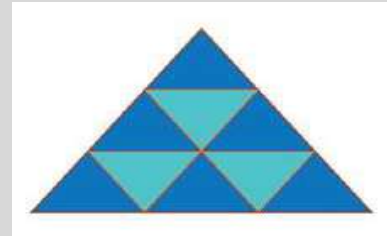
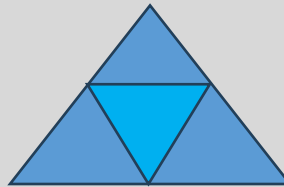
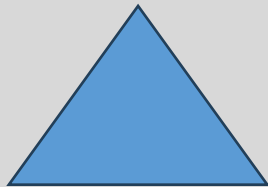
Creative writing

- 3. Imagine and write a new moral story in your own words in 150 words in Hindi.
- 4. Draw a colorful picture of the school library.
- 5. Read any of your favourite book (biography/story/motivational..etc.) Write its summary or book review in your own words in Hindi or English.

Note:- all students have to do all the above library homework in separate a-4 size paper. And submit in library in a file just after summer vacation or on 18/06/2025.

MATHEMATICS

1. What is the sum of the first 25 terms of the sequence of all 1's?
2. What is the sum of the first 35 natural numbers?
3. Find out the 10th term in the sequence of odd numbers and also tell us the sum of the first 12 odd numbers?
4. What is the 16th term in the sequence of triangular numbers 1,3,6,10,15.....?
5. What is the rule for finding the nth term in the sequence of Hexagonal numbers? What will be the 10th term in this sequence?
6. By imagining a large version of adding natural numbers up and down, tell us what will be the value of $1+2+3+.....+99+100+99+.....+3+2+1$?
7. 1,8,27,64,125..... what kind of number sequence is this? Give an explanation for this and tell the next two terms in this sequence.
Draw a pictorial representation for the 6th number in this sequence.
8. Count the number of triangles in these pictures and tell us which sequence are they making?



Draw these pictures in your notebook along with next two pictures in this sequence.

KENDRIYA VIDYALAYA ONGC JORHAT

SUMMER VACATION HOMEWORK (2025-26)

CLASS-7

MATHS

Population Of Cities :-

Observe the populations of some Indian cities in the table below:-

Rank	City	Population (2011)	Population (2001)
1.	Mumbai	1,24,42,373	1,19,78,450
2.	New Delhi	1,10,07,835	98,79,172
3.	Bengaluru	84,25,970	43,01,326
4.	Hyderabad	68,09,970	36,37,483
5.	Ahmedabad	55,70,585	35,20,085
6.	Chennai	46,81,087	43,43,645
7.	Kolkata	44,86,679	45,72,876
8.	Surat	44,67,797	24,33,835
9.	Vadodra	35,52,371	16,90,000
10.	Pune	31,15,431	25,38,473
11.	Jaipur	30,46,163	23,22,575
12.	Lucknow	28,15,601	21,85,927
13.	Kanpur	27,67,031	25,51,337
14.	Nagpur	24,05,665	20,52,066
15.	Indore	19,60,631	14,74,968
16.	Thane	18,18,872	12,62,551
17.	Bhopal	17,98,218	14,37,354
18.	Vishakhapatnam	17,28,128	13,45,938
19.	Pimpri-Chinchwad	17,27,692	10,12,472
20.	Patna	16,84,222	13,66,444

From the information given in the table, answer the following questions by approximation:

1. What is your general observation about this data? Share it with the class.
2. What is an appropriate title for the above table?
3. How much is the population of Pune in 2011? Approximately by how much has it increased compared to 2001?
4. Which city's population increased the most between 2001 and 2011?
5. Are there cities whose population has almost doubled? Which are they?
6. By what number should we multiply Patna's population to get a number/population close to that of Mumbai?

ASSAMESE LANGUAGE

প্ৰশ্ন ১—যিকোনো পাঁচ টা ফলৰ ৰ ছবি A4 জোখৰ কাগজত লগাই তলত নাম লিখা ।

প্ৰশ্ন ২ – প্ৰতিদিনে স্বৰবৰ্ণ আৰু ব্যঞ্জন বৰ্ণ সমূহ লিখা ।

English version

Q 1—Paste any five fruits picture on A4 sized paper

Q 2—Write Assamese Swar and Vyanjan Varna everyday

संस्कृत

1. पाठ 1 और पाठ 2 का शब्दार्थ लिख कर एवं याद करके आर्येंगे। पाठ एक का प्रश्नोत्तर लिख कर एवं याद करके आर्येंगे।
2. पठ धातु लट् लकार, लृट् लकार ,एवं लङ् लकार का रूप लिखिए।
3. संस्कृत भाषा में 10 श्लोक लिखिए उसका अर्थ भी लिखें।

हिंदी

1. आप ने ग्रीष्म कालीन अवकाश को कैसे बिताया ? आप हिंदी भाषा में 250 शब्दों में लिखिए।
2. स्थानांतरण पत्र (टी. सी) मांग के लिए प्राचार्य महोदय को एक पत्र लिखिए।
3. कविता(प्रथम पाठ) को लिख कर लायेंगे।(8 पंक्ति याद कर के लायेंगे)

ENGLISH

- Q1. Write the summary of the poem "Try Again" in your own words
- Q2. Explain in your own words how Jahnavi's experience by the river changes her understanding of nature or life? What lesson do you think the author wants the reader to learn through her experience? (50-60 words)
- Q3. Identify the Parts of Speech of the highlighted word in each sentence.
1. She *ran* to catch the bus.
 2. The *beautiful* flowers bloomed in spring.
 3. They walked *slowly* through the park.
 4. I love reading *books*.
 5. *Wow!* That was an amazing performance.
 6. He is a *doctor*.
 7. We went *outside* to play.
 8. The cat hid *under* the table.
 9. *They* are going to the zoo tomorrow.
 10. I will see you *after* school.
- Q4. Fill in the blanks with the correct part of speech mentioned in brackets.
1. She sings very _____. (adverb)
 2. The dog is a _____ animal. (adjective)
 3. _____ is my favorite hobby. (noun)
 4. Please _____ the door. (verb)
 5. We went to the park _____. (preposition)
 6. This cake is _____ delicious! (interjection)
 7. He gave the book to _____. (pronoun)
 8. The train moves _____. (adverb)
 9. I have a red _____. (noun)
 10. She danced _____. (adverb)

ART EDUCATION

Theme: Exploring Indian Art & Nature

1. Madhubani Art Trial – Try a peacock or fish design using Madhubani patterns.
2. Nature Study Drawing – Sketch 2 leaves or a flower and shade it.
3. Perspective Drawing – Basic 1-point perspective: road or room view.
4. Create Your Own Emblem or Logo – For an imaginary school or team.
5. Poster Making – On “Save Trees” or “Water is Life”.
6. Decorative Alphabet Design – Design your name using patterns.

SCIENCE

NOTE: To be done in classwork copy

- 1) Write the name of acids and bases found in the following:

Substances	Name of acid/name of base
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Vinegar	
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Ant's sting	
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Oranges	
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Lemons	
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Curd	
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Spinach	
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Amla	
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Tamarind	
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Grapes	
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Unripe mangoes	
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Window cleaner,	
-----------------	--

Soap	
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Lime water	
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- 2) Answer the following questions:

- a) State differences between acids and bases.
- b) How does red rose extract work as an indicator?
- c) What happens in a neutralisation reaction?
- d) How moist baking soda help after an ant bite?
- e) Factory waste is neutralised before disposing it into the water bodies. Why?

- 3) NOTE: To be done on A4 size paper

Prepare three natural acid-base indicator and paste them. Explain how these natural indicators work.

COMPUTER

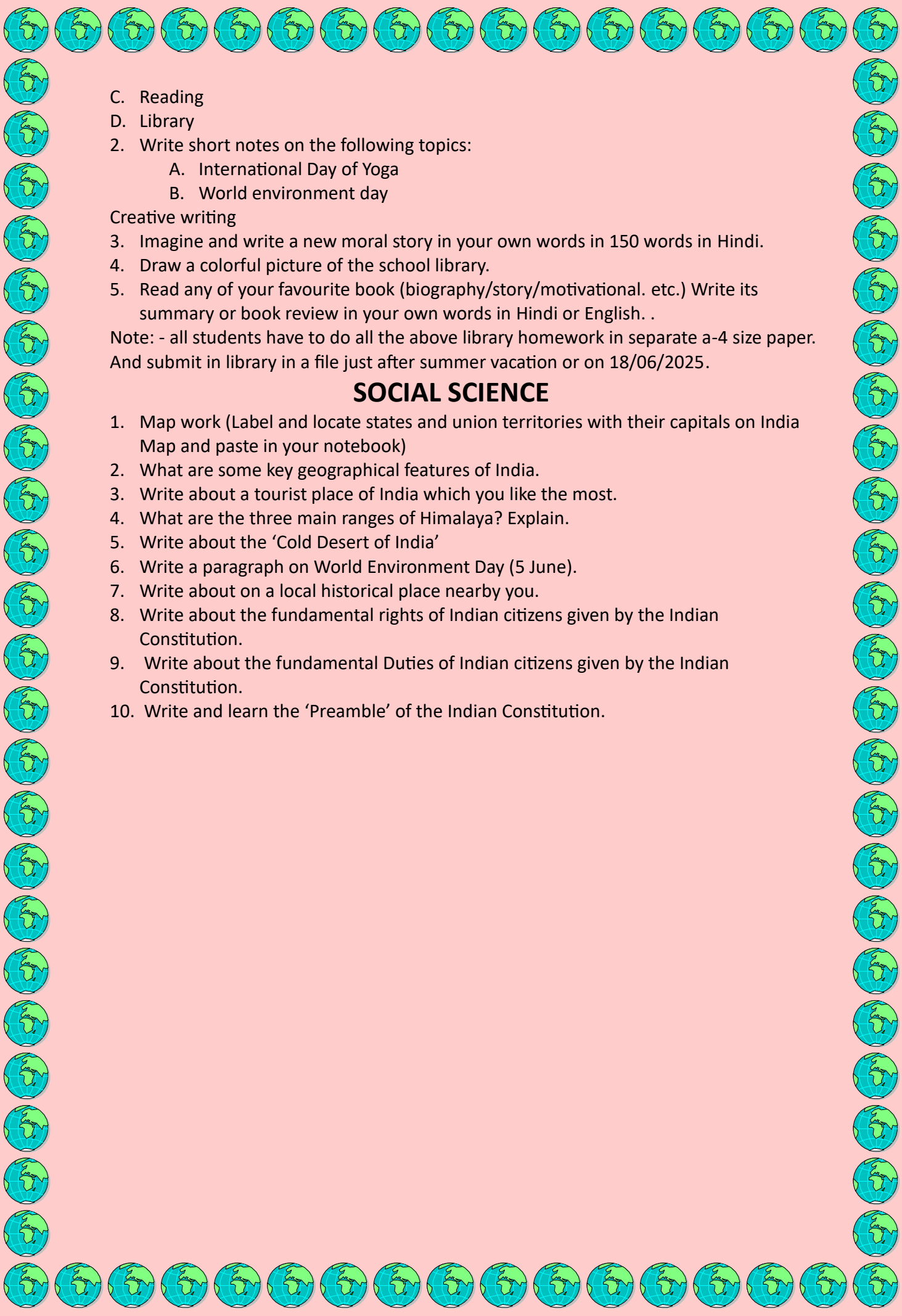
1. Create a drawing using Generative AI tools like Adobe Firefly or Canva on “Social media” and take a print out of it and paste It in your notebook.
2. Choose one application of NLP such as (chatbot or virtual assistant) and create a Word document (1 page only) explaining how it works and what technologies are used. Take the print out of the word file and paste it in your notebook.

LIBRARY

1. Write Total 20 Quotations In (Hindi or English) In the Following Themes:

A. Education

B. Books

- 
- C. Reading
D. Library
2. Write short notes on the following topics:
- A. International Day of Yoga
 - B. World environment day

Creative writing

- 3. Imagine and write a new moral story in your own words in 150 words in Hindi.
- 4. Draw a colorful picture of the school library.
- 5. Read any of your favourite book (biography/story/motivational. etc.) Write its summary or book review in your own words in Hindi or English. .

Note: - all students have to do all the above library homework in separate a-4 size paper. And submit in library in a file just after summer vacation or on 18/06/2025.

SOCIAL SCIENCE

- 1. Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)
- 2. What are some key geographical features of India.
- 3. Write about a tourist place of India which you like the most.
- 4. What are the three main ranges of Himalaya? Explain.
- 5. Write about the 'Cold Desert of India'
- 6. Write a paragraph on World Environment Day (5 June).
- 7. Write about on a local historical place nearby you.
- 8. Write about the fundamental rights of Indian citizens given by the Indian Constitution.
- 9. Write about the fundamental Duties of Indian citizens given by the Indian Constitution.
- 10. Write and learn the 'Preamble' of the Indian Constitution.

KENDRIYA VIDYALAYA ONGC JORHAT

SUMMER VACATION HOMEWORK 2025-26

CLASS 8th

ENGLISH

Q1. With reference to the poem "Cloudplay" by Daniel Errico note down the :

- Examples of personification from the poem
- Examples of Imagery from the poem
- Examples of Similes from the poem
- Examples of Metaphors from the poem

Q2. Write a formal letter to the Municipal Corporation about the poor condition of roads in your area.

OR

Write a letter to the Editor of a newspaper about the problem of water pollution.

Q3. Read the extract given below and answer the following questions . (15-30 words)

"They drift all directions, this way and that,
The fluffy clouds, droopy clouds, skinny and fat.
They are sad that it's over, and some of them cry."

- What is the reason for the sadness of the clouds?
- Write the adjectives used to describe the cloud.
- Why do you think clouds drift in all directions?

Q4. Do you think the white elephant was right to help the traveller, even though he was betrayed later? Why or why not? Support your answer with reasons. (40-50 words)

हिंदी

- अपनी ग्रीष्म कालीन छुट्टियों के बारे में 200 शब्दों में लिखिए।
- एक कहानी अपने शब्दों में लिखिए ।
- सेतु पाठ्यक्रम के अंतर्गत विज्ञापन लेखन को लिख कर लायेंगे | उसी आधार पर दो विज्ञापन और लिख कर लाएं।
- किसी एक यात्रा का वर्णन करिए जो आप से संबंधित हो ।

संस्कृत

- पठ धातु का रूप लट्, लृट्, और लङ् लकार में लिखिए।
- संस्कृत में एक चित्र वर्णन लिख कर लाएं।
- संस्कृत में एक संवाद लिखिए।
- संस्कृत में 10 श्लोक लिखिए और अर्थ भी लिख कर लाएं।

SCIENCE

1. Make an art integrated poster on Water cycle on A4 size sheet.
2. Why is it important to take care of personal hygiene during puberty?
3. Prepare a chart on different meals taken by you in any one week of summer vacation. (in notebook)
4. Make a record of any one physical activity done by you in vacation. (Duration 30-45 min, Days 15- 40)
5. Locate stars in any one of constellation visible in night sky using the app Star Gazer or Stellarium. Draw it and name the prominent stars.

MATHEMATICS

1. In one day, a rickshaw puller earned $137\frac{1}{2}$ Rs. Out of this money, he spent $56\frac{3}{4}$ Rs. On food. How much money is left with him?
2. Find the next term in the given sequence of numbers-
1,3,6,10,15, _____
1,7,19,37,61, _____
1,8,9,64,125, _____
4,5,9,18,34, _____
3. The number of boys in school is 334 more than the number of girls. If the total strength of the school is 572, find the number of girls in the school.
4. The cost of fencing a square field at 35 Rs. Per metre is 4480 Rs. Find the length of each side of the field.
5. Find the perimeter of
A regular pentagon of side 8cm.
A regular octagon of side 4.5 cm.
6. The diameter of a wheel of a car is 70 cm. Find the distance covered by the car during the time in which the wheel makes 1000 revolutions
7. Note down average weekly temperatures of the upcoming weeks starting from 11/05/2025 to 14/06/2025. Make a Bar graph depicting the weekly temperature changes in the given 5 weeks.

Answer the following questions based on the above bar graph

- a. Which week recorded the highest temperature?
- b. Name weeks which recorded same temperature.
- c. Which week recorded the least temperature in the given period of time?

SOCIAL SCIENCE

1. Map work-
 - (i) Label and locate states and union territories with their capitals on India Map and paste in your notebook.
 - (ii) Label and locate Continents and Oceans on World Map and paste in your notebook.
2. Write the Fundamental Rights and Fundamental Duties of the Indian Constitution.

3. Write about a tourist place of India which you like the most.
4. Describe a few major types of soils found in India.
5. Define Human Resources. Why are they important for a country?
6. What are public facilities? Why are they important for society?
7. Write a paragraph on World Environment Day (5 June).
8. What are the differences between a monarchy and a democracy?
9. Write about on a local historical place nearby you.
10. Write and learn the 'Preamble' of the Indian Constitution.

ASSAMESE

প্রশ্ন ১—আঠ টা ফুলৰ ছবি এখন

A4 আকাৰৰ কাগজত লগাই তাৰ তলত নাম লিখা ।

প্রশ্ন ২ – প্রতিদিনে স্বৰবৰ্ণ আৰু ব্যঞ্জন বৰ্ণ সমূহ লিখা ।

English version

Q1 Paste any 8 flowers picture on A4 sized paper and write their names.

Q2 Write Assamese Swar and Vyanjan Varna everyday

ARTS

Theme: Visual Communication and Artistic Heritage

1. Create a Travel Poster – Illustrate a place in India.
2. Gond Art Trial – Use traditional dots and lines to draw animals.
3. 2D to 3D Drawing – Draw a cube, cylinder, cone and shade them.
4. My Dream Room Drawing – Interior design from your imagination.
5. Digital Art (Optional) – Use any app to make a simple digital drawing.
6. Design a Festival Poster – Like Holi, Diwali, Eid, or Onam.

LIBRARY

1. Write total 20 quotations in (Hindi or English) in the following themes:
 - A. Education
 - B. Books
 - C. Reading
 - D. Library
2. Write short notes on the following topics:
 - A. International Day of Yoga
 - B. World environment day
3. Creative writing-imagine and write a new moral story in your own words in 150 words in Hindi.
4. Draw a colorful picture of the school library.
5. Read any of your favourite book (biography/story/motivational etc.) Write its summary or book review in your own words in Hindi or English.

COMPUTER

1. Create a Netiquette Poster (use MS Word):
2. Design a poster illustrating the key rules of netiquette. Use visuals and catchy phrases to highlight the importance of respectful online behaviour.
3. Take a printout and paste it in your school notebook.
4. Track your Digital Footprint (Write in your school Notebook):
5. Over the course of a week keep a journal of your online activities like (website visits) reflect on how these activities contribute to your digital footprint and suggest ways to improve responsible online behaviour.

KENDRIYA VIDYALAYA ONGC JORHAT

SUMMER VACATION HOMEWORK (2025-26)

CLASS – 9th

ENGLISH

- Q1. Explain in your own words how the story "The Lost Child" shows the love of parents and the innocence of a child? (50-60 words)
- Q2. Identify and explain two poetic devices used in the poem "The Road Not Taken" with examples.
- Q3. Write a short paragraph (80-100 words) about a time when you had to make a difficult choice in life. How did it affect you?
- Q4. Write the uses of Past Perfect Tense and Past Perfect continuous tense with five examples each.

हिंदी

निम्नलिखित सभी प्रश्नों का उत्तर लिखना अनिवार्य है

निबंध लेखन (150शब्दों में)

1. शिक्षा का उद्देश्य: मनुष्य चेतना का उत्थान
2. जलवायु परिवर्तन: विनाश की ओर जीवन
3. कृत्रिम बुद्धिमत्ता (AI): उपयोगिता और चुनौतियां
4. वसुधैव कुटुंबकम्: वैश्विक धर्म
5. बाजारवाद तथा उपभोक्तावाद: दुष्परिणाम और इसका अन्य विकल्प
6. 'दो बैलों की कथा' कहानी के अनुसार गंधे के स्वभाव का वर्णन अपने शब्दों में कीजिए।
7. बढ़ते साइबर अपराध विषय पर 120 शब्दों में अनुच्छेद लिखिए।
8. 'बढ़ती जनसंख्या वरदान या अभिशाप' विषय पर चर्चा करते हुए पक्ष विपक्ष में तर्क दीजिए।
9. अपने मित्र को अपनी बहन की शादी में आमंत्रित करते हुए प्रार्थना पत्र लिखिए।
10. आपका नाम दिशा /दक्ष है। आपकी आयु मतदान करने की हो गई है। मतदाता पहचान पत्र बनवाने के लिए निर्वाचन अधिकारी को पत्र लिखिए।

MATHEMATICS

Instructions for Submission:

- Use Homework note for solving and don't write solutions from the google/internet.
- Graphs must be drawn on proper graph paper (if required).
- Submission Date: First day after summer vacation.
- All work must be handwritten and on maths notebook.
- Marks will be awarded for neatness, completeness, and creativity.

1. Classify the following as rational or irrational numbers:

$$\sqrt{2}, 1.5, 0.333..., \sqrt{49}, \pi, -\frac{3}{4}$$

2. Write five rational numbers between:

(a) 1 and 2

(b) -1 and 0

3. Represent $\sqrt{3}$ and $\sqrt{5}$ on the number line using geometrical construction. (*Use compass and scale.*)

4. Write the decimal expansions of:

(a) $\frac{1}{8}$

(b) $\frac{22}{7}$

(c) $\frac{1}{3}$

And State whether the decimals are terminating or non-terminating recurring.

5. Create a table showing five irrational numbers and explain how each is identified as irrational.

6. Without actual division, state whether the decimal representation of the following will terminate or not:

(a) $\frac{7}{20}$

(b) $\frac{23}{90}$

(c) $\frac{5}{16}$

(d) $\frac{4}{11}$

7. True or False (with reason):

(a) $\sqrt{2}$ is a rational number.

(b) Every real number is either rational or irrational.

(c) The product of two irrational numbers is always irrational.

8. Express the following as a rational number in $\frac{p}{q}$ form:

(a) $0.666...$

(b) $1.272727...$

(c) $0.818181...$

9. Insert five irrational numbers between $\sqrt{2}$ and $\sqrt{3}$

10. On the number line, mark the positions of: $0, 1, \sqrt{2}, \sqrt{4}$

11. Using suitable algebraic identity, solve -- i) 109^2 ii) 98×95 iii) 104×105

12. Find two irrational numbers between 0.1 and 0.12

13. Find the decimal expansion of $11/17$.

14. Give an example for each, if two irrational numbers, whose

(i) difference is a rational number.

(ii) difference is an irrational number.

(iii) sum is a rational number.

(iv) sum is an irrational number.

(v) product is a rational number,

(vi) product is an irrational number.

(vii) quotient is a rational number.

(viii) quotient is an irrational number.

15. Express $3.77777.....$ in the form of p/q .

16. Rationalise the denominator of $\frac{4}{\sqrt{7}+\sqrt{3}}$

17. Simplify : i) $(\sqrt{5} + 2\sqrt{3})(\sqrt{5} - 2\sqrt{3})$ ii) $\frac{2}{2\sqrt{3} - \sqrt{5}}$

18. Solve: (i) $(16^{-1/5})^{5/2}$ (ii) $(0.001)^{1/3}$

SANSKRIT

दो पत्र संस्कृत में, दो संवाद , दो पाठ तक संस्कृत के प्रश्नोत्तर लिखना और याद करना है।

SOCIAL SCIENCE

1. Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)
2. Do Map practice of History and Geography.
3. Complete the check your progress in your notebook. (Page no. 9 Civics textbook)
4. Give some arguments in favour of democracy.
5. Write about any four non-farming activities of the village Palampur.
6. Write about the features of democracy.
7. What were the main causes of the French Revolution? Explain.
8. Write 20 important History dates. (Find out from your History textbook)
9. Prepare a project in a project file on the topic "Disaster Management".
(15-20 A4 size papers)
10. Learn and revise all the completed chapters. (Economics, History and Civics)

SCIENCE

PHYSICS

1. Measure time taken to walk/jog over a known distance (like 50 meters) and calculate:
2. Average speed
3. Uniform or non-uniform motion?
4. Tabulate readings with time and distance
5. Paste or draw 5 real-life examples of motion in a straight line (e.g., car on road, elevator) and describe type of motion and related quantities (distance, displacement, etc.)

CHEMISTRY

- 1) Compare the properties of solids, liquids and gases in Tabular form with respect to: (in class notebook)
 1. shape
 2. volume
 3. compressibility
 4. Diffusion
 5. Fluidity or rigidity.
- 2) Prepare an assignment on the topic "Interconversion of matter" (on A4 size paper)

BIOLOGY

1. Write Question answers of chapter 5.
2. Draw colourful pictures of cell organelles in notebook.
3. Prepare a project file on Natural resources (8-10 pages)

ASSAMESE

প্রশ্ন ১-যিকোনো পাঁচ টা মাছৰ ছবি A4 জোখৰ কাগজত লগাই তলত নাম লিখা ।

প্রশ্ন ২ -- প্রতিদিনে স্বৰবৰ্ণ আৰু ব্যঞ্জন বৰ্ণ সমূহ লিখা ।

English version

Q1--Paste any five fish picture on A4 sized paper.

Q2-- Write Assamese Swar and Vyanjan Varna everyday

LIBRARY

1. Write a poem (Hindi or English) on any of the following topic in minimum 12 lines:

Education

Books

Reading

Library

2. Write short notes on the following topics:

Contribution of the first female teacher of India

Contribution of the first education minister of India

3. Creative writing

- Imagine and write a new moral story in your own words in 200 words in Hindi.
- Draw a colorful picture of the school library scene.

Read any of your favourite book (biography/story/motivational. etc.) Write its book review in your own words in Hindi or English.

Note: - All students have to do all the above library homework in separate a-4 size paper. And submit in library in a file just after summer vacation or on 18/06/2025.

ART

Theme: Techniques and Expression

1. Still Life Composition – Arrange 3-4 household items and draw with shading.
2. Portrait Study – Sketch any one family member's face.
3. Art from Waste Project – Create a 3D item using plastic bottles, paper rolls, etc.
4. Miniature Painting (inspired) – Try a small painting inspired by Mughal or Rajput styles.
5. Typography Art – Write a quote and decorate each letter artistically.
6. Poster on Social Issue – Such as "Say No to Plastic" or "Education for All".



KENDRIYA VIDYALAYA ONGC JORHAT

Summer Vacation Homework (2025-26)

Class – 10

ENGLISH

Answer the following questions briefly.

- Q1. How did Mrs Pumphrey treat Tricki?
- Q2. Describe the parting scene between Tricki and Mrs Pumphrey's household.
- Q3. What was Mr Herriot's strict advice? Did Mrs Pumphrey heed his advice?
- Q4. What was the major flaw in Tricki?
- Q5. Why was Mr Herriot shocked at Tricki's appearance?
- Q6. Why is Mrs Pumphrey responsible for Tricki's condition?

Long Answer Questions:

- Q1. Why is Mrs Pumphrey responsible for Tricki's condition?
- Q2. "You haven't a kick in you but I think I know a cure for you". Which type of cure was Herriot talking about?

Write a short story using Past tense.

हिंदी

निम्नलिखित सभी प्रश्नों का उत्तर लिखना अनिवार्य है

निबंध लेखन

- 1. आतंकवाद: कारण और समाधान
- 2. मन के हारे हार है मन के जीते जीत
- 3. जलवायु परिवर्तन: विनाश की ओर जीवन
- 4. कृत्रिम बुद्धिमत्ता (AI): उपयोगिता और चुनौतियां
- 5. वसुधैव कुटुम्बकम्: वैश्विक धर्म

पत्र लेखन

- 1. विद्यालय की प्रयोगशाला में प्रयोग करते हुए आपसे कुछ सामान टूट गया है, जिसके कारण विज्ञान शिक्षिका ने आप पर एक हजार रुपये का जुर्माना कर दिया है। इसे माफ़ कराने का निवेदन करते हुए प्रार्थना पत्र लिखिए।
- 2. आपके विद्यालय में पीने के पानी की व्यवस्था अच्छी नहीं है। पानी की टंकियाँ गंदी पड़ी हैं और टोटियाँ टूटी पड़ी हैं। विद्यालय में पानी की व्यवस्था ठीक करने के लिए प्रधानाचार्य को प्रार्थना पत्र लिखिए।
- 3. अपने विद्यालय के प्रधानाचार्य को प्रार्थना पत्र लिखिए जिसमें विज्ञान एवं गणित की अतिरिक्त कक्षाएँ आयोजित करवाने का अनुरोध किया गया हो। इसके लिए उचित कारण का भी उल्लेख कीजिए।

4. आप जागृति पब्लिक स्कूल मयूर विहार, दिल्ली की छात्रा मधुरिमा हैं। आप केंद्रीय विद्यालय की ग्यारहवीं कक्षा में प्रवेश पाना चाहती हैं। इसके लिए चरित्र प्रमाण पत्र की आवश्यकता है। चरित्र प्रमाण पत्र पाने हेतु अपने विद्यालय के प्रधानाचार्या को प्रार्थना पत्र लिखिए।

5. अपने क्षेत्र के खाद्य एवं आपूर्ति अधिकारी को प्रार्थना पत्र लिखिए जिसमें राशन कार्ड खोने की सूचना देते हुए नया राशन कार्ड बनवाने का अनुरोध किया गया हो। आप कौशिक इन्क्लेव निवासी योगेश हो।

अनौपचारिक पत्र लेखन

1. आपकी चचेरी दीदी कॉलेज में दाखिला लेना चाहती हैं, किंतु आपके चाचा जी आगे की पढ़ाई न करवाकर उनकी शादी करवाना चाहते हैं। इस बारे में अपने चाचा जी को समझाते हुए लगभग 120 शब्दों में एक पत्र लिखिए

2. आपकी कक्षा में एक नए अध्यापक पढ़ाने आए हैं जो कि बहुत अच्छा पढ़ाते हैं। उनके विषय में परिचयात्मक सूचना देते हुए अपने मित्र को लगभग 80-100 शब्दों में एक पत्र लिखिए

3. आपका मित्र परीक्षा में अनुत्तीर्ण हो गया है। इस विषय पर मित्र को सांत्वना देते हुए पत्र लिखिए।

4. आप श्रेयस राजपूत/ श्रेयसी सिंह हैं। आप छात्रावास में रहते हैं। आपको पिता जी से पता चला है कि आपकी माता जी पूरे परिवार का तो ध्यान रखती हैं, किंतु अपने स्वास्थ्य की अक्सर अनदेखी करती हैं। माता जी को समझाते हुए लगभग 100 शब्दों में एक पत्र लिखिए। (Hindi Course A-SQP 2022-23)

5. आपका नाम दिशा/दक्ष है। आप अपने आसपास अनेक अशिक्षित प्रौढ़ों को देखते हैं और उन्हें साक्षर बनाने हेतु कुछ प्रयास करते हैं। इस विषय में जानकारी देते हुए अपने मित्र मानव को पत्र लिखिए। (Hindi Course A-SQP 2023-24)

विज्ञापन लेखन

1. नवांकुर प्ले स्कूल में प्री प्राइमरी से पाँचवी तक के दाखिले शुरू हो गए हैं। इस स्कूल के लिए एक विज्ञापन तैयार कीजिए।

2. आप एक योग प्रशिक्षण केंद्र खोलना चाहते हैं। इस संबंध में युवाओं को आकर्षित करने वाला एक विज्ञापन तैयार कीजिए।

3. उत्तर प्रदेश पर्यटन निगम पर्यटकों की संख्या बढ़ाना चाहता है। उसके लिए एक आकर्षक विज्ञापन तैयार कीजिए।

4. आपने अपना नया कंप्यूटर प्रशिक्षण केंद्र खोला है। यहाँ प्रवेश लेने के लिए शिक्षार्थी आकर्षित हों, इसके लिए एक विज्ञापन तैयार कीजिए।

5. 'सरस्वती पुस्तक भंडार' पुस्तक की बिक्री बढ़ाने हेतु विज्ञापन तैयार करवाना चाहता है। आप उसके लिए एक विज्ञापन तैयार कीजिए।

6. आपके मोहल्ले में पालतू जानवरों के इलाज के लिए अस्पताल खोला गया है। इसके लिए एक विज्ञापन तैयार कीजिए।

स्ववृत्त लेखन (बायोडाटा)

1. कल्पना कीजिए कि आपने पत्रकारिता के क्षेत्र में अपना अध्ययन पूरा कर लिया है और किसी प्रसिद्ध अखबार में पत्रकार पद के लिए आवेदन भेजना है। इसके लिए एक आवेदन-पत्र लिखिए
2. राजीव गांधी फाउंडेशन उच्च शिक्षा हेतु स्कॉलरशिप प्रदान करती है। अतः उसे भेजने के लिए अपना बायोडॉटा तैयार कीजिए।
3. जनसंख्या विभाग को घर-घर जाकर सूचनाएँ एकत्रित करने वाले ऐसे सबेककों की आवश्यकता है, जो हिंदी और अंग्रेज़ी में भलीभाँति बात कर सकते हों और सूचनाओं को सही-सही दर्ज कर सकते हों। इसके साथ ही आवेदकों में विनयतापूर्वक बात करने की योग्यता होनी चाहिए। इस काम में अपनी रुचि प्रदर्शित करते हुए जनसंख्या विभाग के सचिव को आवेदन-पत्र लिखिए

ई मेल लेखन

1. इंद्रप्रस्थ इंटरनेशनल कॉलेज फॉर विमेन के प्रवेश अधिकारी को एक ईमेल लिखें, जिसमें उनसे आपके पाठ्यक्रम के लिए प्रवेश प्रक्रिया, शुल्क, छात्रावास सुविधा और पात्रता मानदंड के बारे में जानकारी पृच्छें।
2. मान लीजिए कि आप अपने कार्यालय, XYZ प्राइवेट लिमिटेड के मुख्य प्रबंधक हैं। शहर में भारी यातायात की स्थिति के कारण मानसून के मौसम के लिए कार्यालय के समय में परिवर्तन के बारे में अपने कर्मचारियों को सूचित करने के लिए एक ईमेल लिखें।

संस्कृत

1. व्याकरण के प्रत्यय के 10_10 उदाहरण।
2. संधि सभी संधि के 5_5 उदाहरण
3. संस्कृत में 3 संवाद ,
4. 3 पत्र औपचारिक पत्र

MATHEMATICS

Instructions for Submission:

- Use Homework note for solving and don't write solutions from the google/internet.
 - Graphs must be drawn on proper graph paper (if required).
 - Submission Date: First day after summer vacation.
 - All work must be handwritten.
 - Marks will be awarded for neatness, completeness, and creativity.
 - If any question is not clear students can leave that question or ask to me on WhatsApp.
1. Prove that:
 - a) $\sqrt{2}$ is an irrational number.
 - b) $\sqrt{3}$ is an irrational number.
 2. Write 5 examples each of:
 - a) Linear polynomial
 - b) Quadratic polynomial
 - c) Cubic polynomial
 3. Find the HCF and LCM of 56 and 72 using prime factorization.

4. For the quadratic polynomial $x^2 - 5x + 6$, find its zeros and verify the relationship between the zeros and the coefficients.
5. Verify that:
 - $\text{HCF} \times \text{LCM} = \text{Product of the two numbers}$ for (48, 84).
6. Find the prime factorisation of 360 and express it as a product of primes.
7. Prove that $3 + 2\sqrt{5}$ is irrational.
8. Prove that $7\sqrt{2}$ is irrational.
9. Write the degree and number of terms in the following polynomials:
 - a) $4x^3 - 3x^2 + 2x - 7$
 - b) $x^2 + 2x$
 - c) 7
10. Find the zero(s) of the following polynomials:
 - a) $x^2 - 7x + 10$
 - b) $x^2 + 2x - 15$
 - c) $x^2 - 9$
11. If α and β are the zeros of the polynomial $x^2 - 3x + 2$, find:
 - a) $\alpha + \beta$
 - b) $\alpha\beta$
 - c) Verify the relationship with coefficients.
12. Form a quadratic polynomial whose sum and product of zeroes are:
 - (a) 4, 1
 - (b) -3, 2
13. If one zero of the polynomial $x^2 + kx + 6$ is 2, find the value of k and the other zero.

SCIENCE-

Physics

1. Use coloured paper strips or thread to create **ray diagrams for concave and convex mirrors** showing image formation.
2. Make a scrapbook or digital collage of **5 real-world applications of reflection** (e.g., shaving mirror, vehicle mirrors, solar cooker), explaining the science behind each.

Biology

1. Solve questions from atleast 3 previous year board papers related to 1st chapter (life processes).
2. Prepare a project file (8-10 pages) on the topic of 'Management of Natural Resources'

Chemistry

1. Define the following terms and give one example each:

- a) Chemical equation
- b) Balanced chemical equation
- c) Combination reaction
- d) Decomposition reaction
- e) Displacement reaction
- f) Double displacement reaction
- g) Oxidation
- h) Reduction
- i) Redox reaction
- j) Precipitation reaction

2. Balance the following chemical equations:

- a) $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
- b) $\text{C}_3\text{H}_8 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- c) $\text{Ca}(\text{OH})_2 + \text{HCl} \rightarrow \text{CaCl}_2 + \text{H}_2\text{O}$
- d) $\text{Al} + \text{O}_2 \rightarrow \text{Al}_2\text{O}_3$
- e) $\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$
- f) $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$
- g) $\text{C}_3\text{H}_8 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- h) $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
- i) $\text{Ca}(\text{OH})_2 + \text{HCl} \rightarrow \text{CaCl}_2 + \text{H}_2\text{O}$
- j) $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$

3. Classify the following into types of chemical reactions:

- a) $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- b) $2\text{AgCl} \rightarrow 2\text{Ag} + \text{Cl}_2$
- c) $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
- d) $\text{C} + \text{O}_2 \rightarrow \text{CO}_2$
- e) $\text{BaCl}_2 + \text{Na}_2\text{SO}_4 \rightarrow \text{BaSO}_4 + 2\text{NaCl}$
- f) $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
- g) $2\text{FeSO}_4 \rightarrow \text{Fe}_2\text{O}_3 + \text{SO}_2 + \text{SO}_3$
- h) $\text{NH}_3 + \text{HCl} \rightarrow \text{NH}_4\text{Cl}$
- i) $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$

4. Answer the following questions:

- a) Why does the color of copper sulphate solution change when iron is added to it? Write a balanced chemical equation.
- b) Why is respiration considered an exothermic reaction?
- c) Why do food items containing fats and oils develop a bad taste if kept for a long time? What is this process called?
- d) Why are decomposition reactions called the opposite of combination reactions?
- e) A student observed that the blue colour of copper sulphate faded when aluminum foil was placed in it. Why?

SOCIAL SCIENCE

- 1. Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)
- 2. Do Map practice of History and Geography.
- 3. Explain the difference types of soil in India.
- 4. What are the different forms of power sharing in modern democracies? Give an example of each of these.
- 5. Write the Ethnic composition of Belgium and Sri Lanka.
- 6. Write about the Rio de Janeiro Earth Summit, 1992 and Agenda 21.
- 7. Briefly trace the process of German and Italy unification.
- 8. What steps did the French revolutionaries take to create a sense of collective identity among the French people? Write any five.
- 9. Prepare a project in a project file on the topic "Consumer Rights".
(15-20 A4 size papers)

10. Learn and revise all the completed chapters. (Geography, History and Civics)

A.I.

1. Do the given worksheet and paste it in Classwork notebook.
2. Revise the syllabus done till now.

ASSAMESE

প্রশ্ন ১--আৰু পৰা এ বৰ্ণৰ মাত্ৰা লগাই একোটা শব্দ লিখি তাৰ ছবি লগাই তালিকা প্ৰস্তুত কৰা |
প্রশ্ন ২ -- প্ৰতিদিনে স্বৰবৰ্ণ আৰু ব্যঞ্জন বৰ্ণ সমূহ লিখা |

ART EDUCATION

Theme: Advanced Art Practice and Message-based Art

1. Detailed Portrait Sketch – Using pencil shading.
2. Conceptual Drawing – Visualize a theme like "Peace", "Hope", or "Time".
3. Poster Making – On “World Environment Day” (5 June).
4. Design a Magazine Cover – For art, fashion, or current events.
5. Create a Series of 3 Illustrations – Story-based or theme-based.
6. Experiment with a Medium – Try coffee painting, charcoal, or dry pastels.

LIBRARY

1. Write a poem (Hindi or English) on any of the following topic in minimum 12 lines:
 - A. Education
 - B. Books
 - C. Reading
 - D. Library
2. Write short notes on the following topics:
 - A. Contribution of the first female teacher of India
 - B. Contribution of the first education minister of India

Creative writing

3. Imagine and write a new moral story in your own words in 200 words in Hindi.
4. Draw a colorful picture of the school library scene.
5. Read any of your favourite book (biography/story/motivational. etc.) Write its book review in your own words in Hindi or English.

Note:- all students have to do all the above library homework in separate a-4 size paper. And submit in library in a file just after summer vacation or on 18/06/2025.

KENDRIYA VIDYALAYA ONGC JORHAT

Summer Holiday Homework (2025-26)

Class- XII

ENGLISH

Q. Write the story of 'The Third Level' using the following hints:

- A) Charley at Grand Central Station
- B) Descending to the Third Level
- C) Entering the 1894 scene
- D) Realizing Time Travel
- E) Attempting to buy tickets
- F) Discovering the envelope

Q2. An inter-school cricket competition is being organised by your school. Write a notice requesting the students to be present at the venue to encourage the players. Invent all the necessary details. You are Arjun/Seema, the Sports Captain of your school.

हिंदी

निम्नलिखित सभी प्रश्नों का उत्तर लिखना अनिवार्य है

निबंध लेखन (250 शब्दों में)

1. शिक्षा का उद्देश्य: मनुष्य चेतना का उत्थान
2. मन के हारे हार है मन के जीते जीत
3. जलवायु परिवर्तन: विनाश की ओर जीवन
4. कृत्रिम बुद्धिमत्ता (AI): उपयोगिता और चुनौतियां
5. वसुधैव कुटुंबकम्: वैश्विक धर्म
6. बाजारवाद तथा उपभोक्तावाद: दुष्परिणाम और इसका अन्य विकल्प
7. असंवेदनशीलता: गिरती मानवता
8. कैरियर का चुनाव: जीवन का महत्वपूर्ण निर्णय
9. सार्थक जीवन: सत्संगति और सत्कर्म
10. आतंकवाद: कारण और समाधान

स्ववृत्त लेखन (बायोडाटा)

1. कल्पना कीजिए कि आपने पत्रकारिता के क्षेत्र में अपना अध्ययन पूरा कर लिया है और किसी प्रसिद्ध अखबार में पत्रकार पद के लिए आवेदन भेजना है। इसके लिए एक आवेदन-पत्र लिखिए
2. राजीव गांधी फाउंडेशन उच्च शिक्षा हेतु स्कॉलरशिप प्रदान करती है। अतः उसे भेजने के लिए अपना बायोडॉटा तैयार कीजिए।
3. जनसंख्या विभाग' को घर-घर जाकर सूचनाएँ एकत्रित करने वाले ऐसे सबेककों की आवश्यकता है, जो हिंदी और अंग्रेज़ी में भलीभाँति बात कर सकते हों और सूचनाओं को सही-

सही दर्ज कर सकते हों। इसके साथ ही आवेदकों में विनयतापूर्वक बात करने की योग्यता होनी चाहिए। इस काम में अपनी रुचि प्रदर्शित करते हुए जनसंख्या विभाग के सचिव को आवेदन-पत्र लिखिए

ई मेल लेखन

1. इंद्रप्रस्थ इंटरनेशनल कॉलेज फॉर विमेन के प्रवेश अधिकारी को एक ईमेल लिखें, जिसमें उनसे आपके पाठ्यक्रम के लिए प्रवेश प्रक्रिया, शुल्क, छात्रावास सुविधा और पात्रता मानदंड के बारे में जानकारी पूछें।
2. मान लीजिए कि आप अपने कार्यालय, XYZ प्राइवेट लिमिटेड के मुख्य प्रबंधक हैं। शहर में भारी यातायात की स्थिति के कारण मानसून के मौसम के लिए कार्यालय के समय में परिवर्तन के बारे में अपने कर्मचारियों को सूचित करने के लिए एक ईमेल लिखें।

MATHEMATICS

Solve PYQs (previous year question of chapter completed i.e. 1. Relation and Function and 2. Inverse Trigonometric functions in a separate notebook.

PHYSICS

Solve PYQs (previous year question of chapter completed i.e. 1. Electric charges and field and 2. Electric potential and capacitance in a separate notebook.

BIOLOGY

1. Solve questions from atleast three previous year question papers from the syllabus covered so far.
2. Prepare a project file on topics allotted to you.

CHEMISTRY

Prepare a project report on the following topics.

1. Determination of Casein Content in Milk. (Roll No 1 & 10)
2. Analysis of Oxalate Ions in Guava Fruit at Different Stages of Ripening. (Roll No 2 & 11)
3. Preparation of soyabean milk and its comparison with natural milk. (Roll No. 3 & 12)
4. Analysis of presence of adulterants in sugar. (Roll No. 4 & 8)
5. Analysis of the presence of insecticides/ pesticides (nitrogen containing) in various fruits and vegetables. (Roll No 5 & 9)
6. Preparation of Acetanilide from Aniline. (Roll No 6 & 13)
7. Aldol Condensation Reactions. (Roll No 7 & 15)
8. Study of Functional Groups in Organic Compounds. (Roll No 14 & 21)
9. Study of the Effect of Temperature on the Rate of Esterification. (Roll No 16 & 20)
10. Preparation of Soap by Saponification Process. (Roll No 17)
11. Extraction and Analysis of Essential Oils present in saunf(aniseed), ajwain(carum), and illaichi (cardamom). (Roll No 18 & 19)

COMPUTER SCIENCE

1. Do the given worksheet and paste in classwork notebook.
2. Revise the work done and prepare the practical file.