KENDRIYA VIDYALAYA ONGC JORHAT

WINTER BREAK HOMEWORK 2024-25

CLASS 6th

हिंदी

1. 'जलाते चलो ' कविता की आठ पंक्तियाँ याद करें व लिखने का अभ्यास करिए ।
2. मान लीजिए आप एंजेला हैं। आप लंदन लौट चुकी हैं और आपको भारत की याद आ रही है। अपनी सखी अनु को पत्र लिखकर बताए कि आपको कैसा अनुभव हो रहा है।
3. 'मैया मैं नहि माखन खायो' पाठ का सारांश अपने शब्दों मे लिखिए। 150
4. अपनी किसी यात्रा की स्मृतियों के आधार पर एक यात्रा वृतांत लिखें। (200 शब्दों में)
5. पाठ 7 से पाठ 11 तक सभी पाठों से संबंधित प्रश्न-उत्तर याद करें व अभ्यास करिए।

SOCIAL SCIENCE

1. What is a map and how do we use it? What are it's main components?
2. How we measure historical time?
3. How can various sources help us understand history?
4. Write a letter to sarpanch regarding the issue of plastic bags lying on the roadside in the village.
5. What are the contributions of economic and non- economic activities in our everyday life?

SCIENCE

1. Prepare a chart for water cycle in a chart paper
2. Find out which places in India are usually regarded to be the coldest and hottest. Also, find out the minimum and the maximum temperature recorded for these places.

ENGLISH

1. Choose any three classical dance forms and three art forms of India and write about it. (Pasting pictures are optional)
2. Write a diary entry explaining how practicing yoga helps you to become healthier, happier and stronger version of yourself. In your diary entry, include at least 5 benefits of yoga and how it benefits it in your life

ART:-

1) Practice atleast 4 STILL LIFE anatomy drawing.
2) Learn any new craft work.
3) Make a Birthday card (colour Paper size A4).

Computer

Revise all the work done in class.

MATHEMATICS

Fractions

1. Convert $\frac{7}{8}$ into a decimal.

2. Arrange the fractions $\frac{3}{4}, \frac{7}{8}, \frac{5}{6}$ in ascending order.

3. Add $\frac{2}{3}$ and $\frac{4}{9}$. Simplify your answer.

4. Subtract $\frac{5}{12}$ from $\frac{7}{8}$.

5. Multiply $\frac{3}{5}$ by $\frac{2}{7}$.

6. Divide $\frac{4}{9}$ by $\frac{2}{3}$.

7. Write an equivalent fraction of $\frac{5}{8}$ with a denominator of 40.

8. A pizza is divided into 8 slices. If 5 slices are eaten, what fraction of the pizza is left?

9. A tank is $\frac{3}{5}$ full. What fraction of the tank is empty?

10. Solve: $2\frac{3}{4} + 1\frac{1}{2}$.

Perimeter and Areas

1. Find the perimeter of a square with a side of 9 cm.

2. Calculate the area of a rectangle with a length of 12 m and a breadth of 8 m.

3. The perimeter of a triangle is 24 cm. If two sides are 8 cm and 10 cm, find the third side.

4. A rectangle has a perimeter of 50 cm. If the length is 15 cm, find the breadth.

5. A square field has an area of 144 m². Find the length of one side.

6. Find the area of a triangle with a base of 10 cm and a height of 8 cm.

7. A farmer wants to fence a rectangular field 40 m long and 30 m wide. What is the total length of the fencing required?

Kendriya Vidyalaya ONGC Jorhat
Winter Break Home Work (2024-25)
Class 7th

English
1. Revision for PT- II
2. Write 10 objective type questions from each chapter from the give syllabus for examination.
3. Write a diary entry from Chandni's perspective, describing her feelings and experiences. (Ch- Chandni)
4. Imagine you are having a conversation with Willy Wonka from the story 'The Invention of Vita Wonka'. Write a short dialogue describing your conversation.

हिंदी
1. चैप्टर 9.10,11,12,13 का प्रश्नोत्तर याद करके आना।
2. सात दिन का अवकाश मांगने हेतु प्राचार्य जी को पत्र लिखें।
3. 1.मेरा प्रिय खेल ,2.किसी यात्रा का वर्णन ,पर निबंध लिखें।(150 शब्दों में)

Mathematics
Chapter 1: Rational Numbers (20 questions)
1. Define rational numbers with an example.
2. What is the standard form of a rational number?
3. Express $-\frac{6}{9}$ in its simplest form.
4. Compare the rational numbers $\frac{5}{7}$ and $\frac{3}{5}$ using the cross-multiplication method.
5. Find the sum of $\frac{3}{4}$ and $\frac{5}{6}$
6. Subtract $\frac{7}{8}$ from $\frac{3}{4}$
7. Multiply $\frac{5}{6}$ with $\frac{2}{3}$
8. Divide $\frac{5}{9}$ by $\frac{2}{3}$
9. Represent the rational number $\frac{4}{7}$ on a number line.
10. What is the additive inverse of $-\frac{5}{3}$?
11. Find the reciprocal of $-\frac{7}{8}$
12. Simplify: $\frac{6}{11} - \frac{5}{11}$
13. Check if $\frac{3}{5}$ and are equal or not $\frac{9}{15}$
14. Multiply: $-\frac{3}{5}$ and $\frac{2}{3}$.
15. Divide: $-\frac{8}{15}$ by $\frac{4}{5}$
16. Express 0.25 as a rational number in simplest form.
17. Solve: $-(\frac{3}{4}) * 2 - \frac{5}{8}$
18. Find the value of x if $\frac{7}{x} = -\frac{1}{24}$
19. Write three rational numbers between $-\frac{3}{4}$ and $\frac{1}{4}$
20. Prove that the product of two rational numbers is also a rational number.

Algebraic Expressions (7 Questions)

1. Define an algebraic expression with an example.
2. Identify the terms, coefficients, and constants in $5x^2 - 3x + 7$
3. Simplify: 3a + 5b – 2a + 7
4. Add: $4x^2 + 3x + 5$ and $2x^2 - x + 1$
5. Subtract: ($3x^2 + 4x - 2$) from ($5x^2 - 2x + 6$).
6. Multiply 2 by $3x^2 + 4x - 1$
7. If x = 2 evaluate $3x^2 - 5x + 4$

Perimeter and Area (10 Questions)

1. Define perimeter and area with examples.
2. Find the perimeter of a rectangle with length 12 cm and breadth 8 cm.
3. The side of a square is 15 cm. Find its area.
4. A circle has a radius of 7 cm. Find its circumference (use π = 2). 22
5. Calculate the area of a triangle with base 10 cm and height 12 cm.
6. The length and breadth of a rectangle are in the ratio 4:3, and its perimeter is 70 cm. Find its length and breadth.
7. The radius of a circular garden is 14 m. Find its area.
8. Find the cost of fencing a rectangular field of dimensions 60 m by 40 m at 25 per meter.
9. A square has the same perimeter as a rectangle with dimensions 18 cm and 12 cm. Find the side of the square.
10. The diagonal of a square is 10 cm. Find its area.

SCIENCE

1. Revise chapters 8,9,10 for periodic test.
2. Paste or draw pictures of five appliances working on heating effect of electric current.
3. Paste pictures of two uses each of Plane mirror, Convex and Concave mirror.
4. Write question answers of Chapter- Light

SOCIAL SCIENCE

1. Discuss the structure of the atmosphere. write atleast 3-4 lines about each layer of atmosphere.
2. Which layer the most suitable conditions for flying aeroplanes?
3. Which factor affect the movement of ocean water?
4. What are tides? Explain Spring and Neap Tides.
5. What is meant by the Women's Movement?
6. What are the various ways women apply to fight discrimination and seek justice?
7. What do you mean by "setting the agenda"?(chapter understanding media

SANSKRIT

1. पाठ 9.,10,11,12, के प्रश्नोत्तर याद करने है ,जिससे PT 2 की तैयारी अच्छे से हो सके।
2. चैप्टर 13 और 15 के शब्दार्थ और प्रश्नोत्तर लिख कर लाना है।

Computer

1. Revise all the work done in class.
2. Create an algorithm to find the sum of any 3 numbers.
3. Write an algorithm to find area of the circle. Also, draw the flowchart. Take radius R=4cm.

4. What is AI. Write and explain its different kind.

ASSAMESE

শীতকালীন অৱকাশৰ গৃহকাৰ্য্য –

∗ সুন্দৰ হাতৰ আখৰেৰে দুই,তিনি আৰু চাৰি বৰ্ণৰ প্ৰত্যেকেৰে ২০ টাকৈ শব্দ লিখা। (A4 size পেপাৰত ৰঙীন কলমেৰে)

Write 20 words each using two, three and four-letters words in good handwriting. Use A4-sized paper and write with color pencils to make it attractive. Ensure neatness and proper spacing between words.

ART :-

1) Practice atleast 4 STILL LIFE anatomy drawing.
2) Learn any new craft work.
3) Make a Birthday card (colour Paper size A4).

LIBRARY

1) All the students will read a good book of your choice deeply and write its Book Review your own words in 300 words and submit in a A-4 size paper in the Library just after winter break.
2) Read daily newspaper (anyone Hindi or English) per day and select minimum 5 new words per day from the newspaper and write the new word with its meaning and use it in sentence in your library notebook per day.
3) Write an essay on a freedom fighter of your choice in your library notebook (in minimum 400 Words).

Kendriya Vidyalaya ONGC Jorhat
Winter Break Homework (2024-25)
Class 8th

संस्कृत

1. पाठ 9.,10,11,12, के प्रश्नोत्तर याद करने है, जिससे PT 2 की तैयारी अच्छे से हो सके।
2. चैप्टर 13 और 15 के शब्दार्थ और प्रश्नोत्तर लिख कर लाना है।
3. 15 चैप्टर तक प्रश्नोत्तर लिख कर लाना।

हिंदी

1. चैप्टर 9.10,11,12,का प्रश्नोत्तर याद करके आना।
2. 7 दिन का अवकाश मांगने हेतु प्राचार्य जी को पत्र लिखें।
3. 1. मेरा प्रिय खेल , 2. किसी यात्रा का वर्णन ,पर निबंध लिखें।(150 शब्दों में)
4. सन्धि , समास, विलोम , पर्यायवाची, का अभ्यास करके आएं।

MATHEMATICS

Algebraic Expressions and Identities

1. Simplify: $(x + 3)(x - 4) + x^2 - 9$
2. Expand: $(2x + 3)^2 - (x - 5)^2$.
3. Factorize: $x^2 - 9x + 20$
4. If a=2, b = - 3 c = 1 find the value of $a^2 + 2ab + b^2 + c$
5. Verify the identity: $(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$.

Mensuration

1. A cylinder has a radius of 7 cm and height of 10 cm. Find its curved surface area and total surface area.
2. The edge of a cube is 4 cm. Find its total surface area and volume.
3. A cone has a base radius of 5 cm and a slant height of 13 cm. Find its curved surface area and total surface area.
4. A hemisphere has a radius of 7 cm. Calculate its curved surface area and volume.
5. A cuboid has dimensions 8 cm x 6 cm x 4 cm. Find its lateral surface area, total surface area, and volume.

Exponents and Powers

1. Simplify: $\dfrac{2^3 \times 2^4}{2^5}$
2. Express 0.000729 in standard form.
3. Simplify and write in standard form: $(3^2.2^3)^2$.
4. Find the value of $(5^{-2} + 4^{-2})^{-1}$
5. If $x = 2^3.3^2$ and $y = 2^4.3$ find the value of x.y

ENGLISH

1. Pt 2 Syllabus revision
2. What lessons can you learn from the lives and experiences of Firdaus Kanga and Stephen Hawking that you can apply to your own life and challenges
3. You are a young student living in ancient India. You have just been admitted to a prestigious gurukul in the forest. Write a letter to your parents describing:
   a. Your first day at the gurukul
   b. The subjects you are studying (vedas, upanishads, mathematics, astronomy)

      c.   Your daily routine, including your interactions with your guru and fellow students.

      d.   The values and skills you are learning such as self-discipline, meditation etc.

Social science

1. Write a brief note on the Members of Parliament
2. What is 'Question hour' in Parliament?
3. What is the purpose of a Parliament?
4. What are the basic ideals of a democracy?
5. What happened to the Nawabs when the British established political power in India?
6. What were the reforms introduced by the British?
7. What was the Sepoy mutiny called and when did it start?
8. Industries can be classified on the bases of ownership, explain.
9. What are marine based industries? Write a short note on Mineral based industries.
10. State the recommendations of the Wood's Despatch. (chapter civilising the native educative the nation)

Computer (A.I.)

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