SURAJ

SURAJ SCHOOL PATAUDI

Summer Vacation Holiday

SESSION 2023-24

HOME WORK

CLASS –VII SPARK

ENJOY SUMMER
★★★

ENGLISH

1. Maintain a personal diary and write two new words with meaning every day with meanings along with current affairs.

2. Make a chart showing different kind of tenses.

3. Make a collage based on an advertisement of any Health product, give it a suitable title

4. Collect five quotations on 'Hope'. Write them on a chart paper in beautiful handwriting.

5. Write one page of writing daily in your notebook.

6. Learn and complete syllabus done till today.

HINDI

प्रश्न 1 हिंदी पाठ्यपुस्तक पाठ 1 से 3 याद करें।
प्रश्न 2 हिंदी व्याकरण पाठ 1 से 3 याद करें।
प्रश्न 3 साफ व सुंदर लेख में 10 सुलेख लिखिए।
प्रश्न 4 संधि व उसके भेदों को चार्ट पर दर्शाइए।
प्रश्न 5 आत्मरक्षा व आत्मसम्मान के बारे में 10 वाक्य लिखिए।
प्रश्न 6 अपने प्रिय लेखक का जीवन परिचय चित्र सहित दीजिए।
प्रश्न 7 जल संरक्षण संबंधी एक पोस्टर तैयार कीजिए।
प्रश्न 8 'शिक्षा 'विषय पर ए 4 सीट पर 4 स्लोगन लिखिए।
प्रश्न 9 जीवन की पाँच अच्छाइयाँ और 5 बुराइयाँ लिखिए।
प्रश्न 10 आधुनिक भारत के प्रमुख नेताओं का चित्र सहित परिचय दीजिए।

MATH

1. Write down the rules for adding and subtracting integers.
2. Evaluate the following expressions: -3 + 8, -10 - (-7), 5 - (-11).
3. Explain what is meant by the absolute value of an integer.
4. Simplify the expression |-6| + |-2|.
5. Fill in the blank: The sum of two negative integers is always _____.
6. What is the opposite of 12?
7. Simplify the expression -8 - (-12) + 6.

Chapter 2: Fractions and Decimals

1. Write down the steps for converting a fraction to a decimal.
2. Simplify the fraction 24/36 to lowest terms.
3. Convert the fraction 3/4 to a decimal.
4. Add the decimals 3.5 and 6.3.
5. Write 0.45 as a fraction in simplest form.
6. Multiply the fractions 2/5 and 3/7.
7. Subtract the decimal 7.8 from 9.2.

Chapter 3: Rational Numbers

1. Explain what is meant by a rational number.
2. Simplify the expression $(6/9) + (2/3)$.
3. Convert the rational number -5/8 to a decimal.
4. Write down the steps for finding the reciprocal of a rational number.
5. Simplify the expression $(3/4) \div (2/5)$.
6. Add the rational numbers -3/4 and 5/6.
7. Multiply the rational numbers -1/3 and 7/10.

Chapter 4: Exponents

1. Write down the definition of an exponent.
2. Simplify the expression 2^3.
3. Evaluate the expression $5^2 \div 5^4$.
4. Write the expanded form of 10^4.
5. Simplify the expression $(2^3)^2$.
6. Convert 2^{-3} to a fraction.
7. Simplify the expression $(3^5)^2 \div 3^{10}$.

Chapter 5: Algebraic Expressions

1. Define what an algebraic expression is.
2. Simplify the expression $4x + 2x$.
3. Evaluate the expression $3x^2 + 2x - 4$ when $x = 2$.
4. Write down the steps for combining like terms in an expression.
5. Simplify the expression $2(x + 3) - 4x$.
6. Factor the expression $6x^2 - 12x$.
7. Simplify the expression $5x - (2x - 3)$.

Projects: Do any 2 projects from below.

1. Investigate the history of negative numbers and write a short essay about it.
2. Create a poster that explains how to convert a fraction to a decimal.
3. Find an everyday situation where rational numbers are used and create a short video explaining it.
4. Create a crossword puzzle that uses terms from the exponents chapter.
5. Write a story that involves algebraic expressions and share it with the class.
6. Collect 5 pictures of the famous mathematicians of the world and write 50 words for each.

SCIENCE
Answer the following:
Q1. Write down in detail the working of digestive system?
Q2. Information on insectivorous plant with diagram?
Q3. Define Convention, Conduction and Radiation with suitable diagram
Q4 Write a short note on tooth decay?
Q5. Name the raw materials needed for photosynthesis.
Q6. Mention the role of chlorophyll in photosynthesis.
Q7. Explain thermos flask with suitable diagram.
Q8. How are nutrient replenished in the soil?
Q9. What is tongue? Write its functions?

Q10. Explain the process of rumination?

Q11. Explain the process of digestion in the stomach?

Q12. Draw diagrams showing the formation of sea breeze and land breeze.

Q13. What is wool? Name the sources of wool?

Q14. Explain the steps involved in the wool production?

PROJECT:
• Collect various coloured leaves and paste them.
• Collect various types of fabric and paste them
Draw the following diagrams and arrange them in a file:
• Diagram showing photosynthesis
• A section through a leaf
• Pitcher plant showing lid and pitcher
• Human digestive system
• Diagram showing oesophagus and stomach
• Digestive system in ruminants
• Amoeba
• Life history of silk moth
• Rearing silk worms
• Thermos flask
• Different types of thermometers

Q17. In an outline map of India, name the places on the map where you find animals that produces wool?

Q18. Learn question answer of chapter 1,2,3 and chapter 4

SOCIAL SCIENCE

1. Start writing dairy. Before sleeping write about what you did the whole day.
2. Make your own manuscript. Take leaves and quill pen for writing the manuscript.
3. Find out various sources of Medieval History and then classify them into archaeological and literary.
4. Collect information regarding programs by the government to ensure the equality in India.
5. Imagine yourself as a leader of political party. Prepare a manifesto for the party and also prepare a logo for your party.
6. Colour and label the diagram of "Interior of the Earth ".

COMPUTER

1. Revise ch1, 2 & 3.
2. Make chart on Lab Rules.
3. Describe the concept of internet uses in different field and show its connections from inventions till today with diagram (A4 page with diagram)
4. Craft model of Computer system using thermocol sheet explaining the steps to switching ON/OFF of PC.
5. Make charts on internal hardware with diagram and uses.
6. Hanging/Decorations based on important facts from ch1, 2 & 3.

SANSKRIT

क. आदेशात्मक वाक्यों का सचित्र बनाएं ।

ख. अवकाश के दिनों में किए गए कार्यों का भ्रमण के विषय में संस्कृत में वाक्य बनाकर A4 साइज शीट पर लिखें ।