



तत् त्वं पुष्य अपावृणु
केन्द्रीय विद्यालय संगठन

**KENDRIYA VIDYALAYA
GC CRPF SONIPAT**

AUTUMN BREAK

HOLIDAY HOMEWORK

Class 7



HINDI

1. अपठित गद्यांश

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर प्रश्नों के उत्तर लिखिए।

समय हमारे जीवन की सबसे मूल्यवान संपत्ति है। बीता हुआ समय कभी लौटकर नहीं आता, इसलिए हमें प्रत्येक क्षण का सदुपयोग करना चाहिए। जो विद्यार्थी समय पर उठते हैं, नियमित रूप से पढ़ाई करते हैं और खेलकूद के लिए भी समय निकालते हैं, वे जीवन में संतुलन बनाए रखते हैं। काम को टालने की आदत से तनाव बढ़ता है और अवसर हाथ से निकल जाते हैं। हमें अपने कार्यों की सूची बनाकर प्राथमिकता के अनुसार उन्हें पूरा करना चाहिए। समय का सम्मान करने वाला व्यक्ति अपने लक्ष्य के निकट पहुँचता है और दूसरों के लिए भी प्रेरणा बनता है।

1. समय को हमारे जीवन की मूल्यवान संपत्ति क्यों कहा गया है?
2. नियमित दिनचर्या से विद्यार्थियों को क्या लाभ होता है?
3. काम टालने की आदत के क्या परिणाम होते हैं?
4. अपने कार्यों को समय पर पूरा करने के लिए हमें क्या करना चाहिए?
5. गद्यांश के लिए एक उपयुक्त शीर्षक लिखिए।

2. निम्नलिखित शब्दों के शुद्ध रूप लिखिए।

आर्शीवाद • अनुशासन • पर्यावरण • उज्ज्वल • प्रतियोगिता • कृप्या • व्यवहारीक • निरीक्षण

3. अनुच्छेद लेखन

निम्न विषयों पर 100–120 शब्दों में अनुच्छेद लिखिए।

- मोबाइल फोन का संतुलित उपयोग
- जल संरक्षण में विद्यार्थियों की भूमिका
- मेरी यादगार यात्रा

4. पत्र लेखन

- अपने मित्र को विद्यालय में आयोजित खेलकूद प्रतियोगिता का वर्णन करते हुए पत्र लिखिए।
- अपने विद्यालय के प्रधानाचार्य को कक्षा-कक्ष में पंखों की मरम्मत करवाने हेतु प्रार्थना-पत्र लिखिए।

5. रचनात्मक लेखन

“यदि पेड़-पौधे बोल सकते...” विषय पर लगभग 100 शब्दों में एक कल्पनात्मक लेख लिखिए तथा उससे संबंधित एक चित्र बनाइए।

आवश्यक निर्देश

- सभी कार्य एक अलग नोटबुक बनाकर कार्य करें एवं निर्धारित क्रम में पूरे करें।
- प्रत्येक कार्य को स्पष्ट शीर्षक देकर लिखें।
- लिखावट साफ-सुथरी रखें तथा वर्तनी और विराम-चिह्नों का ध्यान रखें।
- प्रतिदिन कम-से-कम 15 मिनट हिंदी की पाठ्य-पुस्तक पढ़ें।

MATHS

- . Do all figure out questions of chapter Geometric Twins in notebook
- . Learn and write Summary of Chapter Geometric Twins.
- . Learn and write Tables from 2 to 20.
- . Complete learner diary.

Chapter: Working With Fractions (Part 1)

1. Add: $\frac{2}{5} + \frac{3}{10}$.
2. Subtract: $\frac{7}{8} - \frac{1}{4}$.
3. Multiply: $\frac{3}{4} \times \frac{8}{9}$.
4. Divide: $\frac{5}{6} \div \left(\frac{10}{3}\right)$.
5. Arrange in ascending order: $\frac{1}{2}, \frac{2}{3}, \frac{3}{5}$.
6. A recipe needs $\frac{3}{4}$ cup of sugar. How much sugar is needed for double the recipe?
7. Simplify: $\frac{2}{3} + \frac{1}{6} - \frac{1}{2}$.
8. Convert $\frac{7}{4}$ into a mixed fraction.

Chapter: Working With Fractions (Part 2)

1. Multiply: $\frac{2}{7} \times 14$.
2. Divide: $3 \div \left(\frac{1}{3}\right)$.
3. A ribbon of length 5 m is cut into pieces of $\frac{1}{4}$ m each. How many pieces are obtained?
4. Find $\frac{1}{2}$ of $\frac{3}{4}$.
5. Compare $\frac{3}{7}$ and $\frac{4}{9}$ using cross multiplication.
6. Ravi ate $\frac{2}{5}$ of a cake and Meena ate $\frac{1}{4}$. Who ate more and by how much?
7. Simplify: $\left(\frac{2}{3}\right) \times \left(\frac{9}{4}\right)$.
8. Write three equivalent fractions of $\frac{2}{5}$.

Mixed Revision

1. Simplify using BODMAS: $18 \div 3 + 4 \times 5 - 6$.
2. Convert 0.625 into a fraction in lowest terms.
3. Find the third angle of a triangle with angles 45 and 90 degrees.
4. Add: $\frac{4}{9} + \frac{2}{3}$.
5. Write an expression for 'seven less than twice x'.
6. Write 6,07,45,120 in words.
7. Two parallel lines are cut by a transversal. If one interior angle is 120 degrees, find the other interior angle on the same side.
8. Make a frequency table for: 2, 3, 3, 2, 4, 3, 2, 4.

SCIENCE

Day 1: My Scientific World

- Identify five objects/situations at home where science is involved.
- Write the scientific principle or concept associated with each.
- Choose one example and explain how it makes daily life easier.
- Write three questions about the natural world that you would like to investigate.

Creative / Extension Task: NEP 2020 Focus: Observation, curiosity and scientific temper.

Day 2: Acids, Bases and Neutral Substances

- Make a table of six household substances (lemon juice, curd, soap solution, baking soda solution, water, orange juice).
- Write their likely nature (acidic / basic / neutral).
- Mention one use of an acidic substance and one use of a basic substance.
- Explain why unknown substances should never be tasted.

Creative / Extension Task: Extension: Draw a colourful pH scale and mark acidic, neutral and basic regions.

Day 3: Electricity: Circuits and Their Components

- Draw a simple electric circuit with a cell, wires, switch and bulb.
- Label all components.
- Explain open and closed circuit.
- Write four electrical safety rules at home.
- Explain why a bulb does not glow when the circuit is incomplete.

Creative / Extension Task: Art Integration: Use standard circuit symbols and present the diagram neatly.

Day 4: The World of Metals and Non-metals

- Observe five objects made of different materials. Prepare a table with Object, Material, Property (metal/non-metal), and Why suitable.
- Why are many cooking utensils made of metals?
- Why are electrical wires made of copper or aluminium?
- Why are handles of utensils made of non-conductors?

Creative / Extension Task: Value Education: Explain how recycling metals helps conserve natural resources.

Day 5: Physical and Chemical Changes

- Identify physical or chemical change for: Ice melting; Water evaporating; Paper torn; Iron rusting; Food cooking.
- Differentiate between physical and chemical changes.
- Give two examples of each.
- Why is rusting a concern?
- Suggest three ways to reduce rusting at home.

Creative / Extension Task: Creative Task: Draw one physical change and one chemical change.

Day 6: Heat Transfer in Nature

- Explain conduction, convection and radiation.
- Give one everyday example of each.
- Draw a labelled diagram showing how water gets heated in a vessel.
- Explain why we feel warmer in sunlight than in the shade.
- Suggest two ways to keep a room cool in hot weather while conserving energy.

Creative / Extension Task: Integrated Learning: Connect with environmental awareness and energy conservation.

Day 7: Measurement of Time and Motion

- Observe a movable object (toy car, rolling ball or bicycle safely).
- Record distance and time for three trials (if possible).
- Calculate speed: $\text{Speed} = \text{Distance} \div \text{Time}$.
- Present your observations in a table.
- State two factors causing differences in trials.

Creative / Extension Task: Important: Use a safe, level area. Do not conduct on a road.

Day 8: Life Processes in Plants and Animals

- Draw a labelled diagram of a plant and label roots, stem, leaves and flowers.
- Explain how each part helps the plant survive.
- Write why living things need food, water and air.
- Compare how plants and animals get food.
- Observe a plant at home or in school on two days and record one change.

Creative / Extension Task: Environmental Connection: Suggest three ways to protect plants and local biodiversity.

Day 9: Light, Shadows and Reflections

- Observe your shadow at two different times of the day.
- Record time, length and direction.
- Explain why the shadow changes.
- Draw a labelled diagram showing shadow formation (light source, object, screen).
- Write two differences between luminous and non-luminous objects.

Creative / Extension Task: Creative Task: Make a poster: “Light Helps Us See”. Use sunlight only. Never look directly at the Sun.

Day 10: Integrated Science Project – My Sustainable Home

- Prepare a 1–2 page illustrated project on how your family can make life eco-friendly.
- Include: Two ways to save electricity; Two ways to conserve water; Two ways to reduce/reuse waste; One example of waste segregation; One scientific concept from Curiosity that supports your ideas; A slogan for a clean and sustainable environment.

Competency-Based Thinking Questions (Answer any five)

- Why does a metal spoon feel colder than a wooden spoon?
- A bulb does not glow. State three possible reasons.
- Why is rusting different from melting of ice?
- A student travels 60 metres in 20 seconds. Calculate speed.
- Why should waste be segregated before disposal?
- Why does a shadow change its size and position?
- How can observing plants and animals help us understand our local environment?

ENGLISH

H H.W. to be done in C.W copy

Page 128 Q 1

Page 114. Q III

Page 129. Q III

PAGE 141 to 148

Page 133. Q let us write

Write new words with their meanings

Write five examples of: Noun, Pronoun, Adjective, Adverbs

S.ST

- WRITE LEARNER'S DIARY OF ALL COMPLETED CHAPTERS
- REVISION OF ALL COMPLETED CHAPTERS
- MDP ON THE STORY OF FARMING CHAPTER. PASTE RELEVANT PICTURES ALSO
- COMPLETE YOUR WRITTEN WORK FOR ALL CHAPTERS
- LEARN QUESTIONS FOR PT 2 EXAM

SKT

- 1) मम विद्यालयः' इति विषयम् अधिकृत्य दश वाक्यानि लिखत।
- 2) संस्कृतभाषायाः महत्त्वविषये दश वाक्यानि लिखत।
- 3) सुभाषितानि — पञ्च संस्कृत-सुभाषितानि अर्थसहितं लिखन्तु। (Coloured sheet A4)
- 4) राम, लता, मुनि, नदी शब्दानां रूपाणि लिखत।
- 5) प्रमुखाणां पञ्च संस्कृतकवीनां चित्राणि संकलयित्वा तेषां नामानि प्रसिद्धकाव्यरचनाश्च लिखत। (Coloured sheet A4 size)
- 6) प्रत्ययाः — क्त्वा, तुमुन् तथा ल्यप् प्रत्ययानां पञ्च-पञ्च उदाहरणानि लिखन्तु।

ART

All the students make one painting on A4 Size or A3size sheet by using any medium of colours like charcoal, sketching, water colour, acrylic colours oil pastel etc. for art exhibition

VOCATIONAL EDUCATION

Design and prepare a useful product from reusable materials. Give it a creative name and explain how it helps the environment. For upcoming kaushal mela.

AI

1. **Written Work:** Write in detail about the **Domains of Artificial Intelligence (AI)**
2. Make a chart on domains of AI

Instructions: Complete the work neatly and creatively. Bring your completed notebook and project after the holidays.