SUBJECT- ENGLISH

- **Grammar-** Do Try Out EX 1 and 2 from the **Past and Future Tense chapter** given on pages(52,53) and (57,59) of the grammar book.

- **Writing Skill**- Read the chapter -**"A Homage to Our Brave Soldiers"** and write a diary entry describing your favourite part of the chapter and why you liked it in 80-100 words.

- You've just finished reading the chapter **"Quality."** One question that got you thinking is: **"Is it ethical to compromise quality for market demands?"** Write a letter to a friend sharing your thoughts on this issue in about 80-100 words.

- **Literature-** Read the poem - **"Trees" by Shirley Bauer** and write a summary of the poem focusing on its central idea and identifying the poetic devices used in it in about 80-100 words.

- Draw the character sketch of Mr. Gessler from the lesson **"Quality."** in about 80-100 words.

- Revise and learn lessons, poems and Grammar topics taught in the class so far.

 Note - Do Holiday Homework in the English Grammar Notebook

विषय – हिन्दी

प्रश्न 1- 'वसंत ' पाठ्यपुस्तक के 'नीलकंठ' पाठ के सभी पात्रों में से अपने पसंदीदा पात्र की पाँच विशेषताएँ लिखिए।

प्रश्न 2 - नीलकंठ ' पाठ पढ़कर सारांश लिखिए।

प्रश्न 3- निम्नलिखित प्रश्नों के उत्तर 'भोर और बरखा' कविता के आधार पर दीजिए-
(क) भोर और बरखा' कविता की कवयित्री कौन हैं?

(ख) कविता के पहले पद में किसका वर्णन किया गया है ?

(ग) कविता में दही कौन मथ रही थी?

(घ) ग्वाल बाल कृष्ण की प्रतीक्षा क्यों कर रहे थे?

(ड) दही मथने के कारण किसकी झनकार सुनाई दे रही है ?

प्रश्न 4- पूरक पुस्तक 'बाल महाभारत कथा' पाठ 31 से 35 पढ़कर प्रत्येक पाठ से एक -एक प्रश्न उत्तर सहित लिखिए।

प्रश्न 4- 'गुलमोहर' व्याकरण की पुस्तक से मुहावरे तथा लोकोक्तियाँ पाठ (पेज न. 162-163) के आधार पर प्रश्न अभ्यास के प्रश्न 1,3,4,5 उत्तर सहित अपनी उत्तर पुस्तिका में लिखिए।

प्रश्न 5- औपचारिक पत्र और अनौपचारिक पत्र का प्रारूप लिखिए।

प्रश्न 6- (क) आपके विद्यालय में हुए 'वार्षिक खेल दिवस' का अनुभव साझा करते हुए अपने चाचा जी को पत्र लिखिए।
(ख) विद्यालय में हुई 'क्रिसमस दिवस की प्रार्थना सभा' पर अनुच्छेद लिखिए।

● समस्त कार्य अपनी हिंदी की उत्तर पुस्तिका में कीजिए।

● पढ़ाए गए पाठों के सभी उत्तर याद कीजिए।

● अभी तक करवाया गया सम्पूर्ण कार्य पूर्ण कीजिए।

SUBJECT- MATHEMATICS

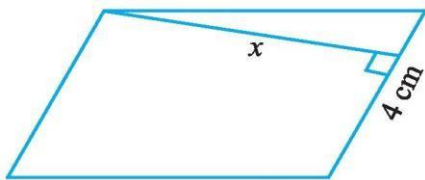1. Simplify: (a) $\frac{3}{7} \div \frac{21}{-55}$ (b) $\frac{-4}{5} \times \left(\frac{-1}{2}\right)$

     (c) $\frac{29}{4} - \frac{30}{7}$ (d) $\frac{7}{3} + \frac{(-4)}{7}$

2. Reena's mother said, to make idlis, you must take two parts rice and one part urad dal. What percentage of such a mixture would be rice and what percentage would be urad dal?

3. The length of a side of square is given as 2x+3. What will be its perimeter?

4. You have ₹2,400 in your account and the interest rate is 5%. After how many years would you earn ₹ 240 as interest.

5. From a rope 68 m long, pieces of equal size are cut.If length of one piece

   is $4\frac{1}{4}\ m,$ find the number of such pieces.

6. Area of a right triangle is 54 square cm.If one of its legs is 12cm long, what will be its perimeter?

7. The length of a rectangular plot exceeds its breadth by 5m.If the perimeter of the plot is 142 m, find the dimensions of the plot.

8. Malahasa collection of bangles.She has 20 gold bangles and 10 silver bangles. What is the percentage of bangles of each type?

9. Write: (i) The rational number that does not have a reciprocal.
(ii) The rational numbers that are equal to their reciprocals.
(ii) The rational number that is equal to its negative.

10. There are two types of boxes containing mangoes.Each box of the larger type contains 4 more mangoes than the number of mangoes contained in 8 boxes of the smaller type. Each larger box contains 100 mangoes. Find the number of mangoes contained in the smaller box?

11. If 90% of xis 315 km,then the value of xis?

12. The diameter of the wheels of abus is 140cm.How many revolutions per minute must a wheel make in order to move a t a speed of 66km/hr?

13. Find the height 'x 'if the area of the parallelogram is 24cm^2 and the base is 4 cm.

14. What are the coefficients of y in the following expressions?
$$4x–3y, \quad 8+yz, \quad yz^2+5, \quad my+m$$

15. The radii of two circles are 8 cm and 6 cm respectively. Find the radius of the circle having area equal to the sum of the areas of the two circles.

16. Express 729 as a power of 3.
17. Simplify:
   (i)$(–4)^3$ (ii)$(–3)×(–2)^3$

   (iii)$(–3)^2×(–5)^2$ (iv)$(–2)^3×(–10)^3$

18. Express the following numbers as a product of powers of prime factors
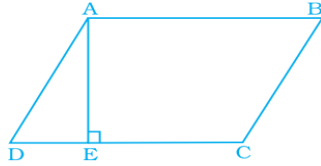
(i)72   (ii)432   (iii)1000   (iv)16000

19. Find the value of the following expressions at a=1 and b=–2:

$$(i) a^2+b^2+3ab \qquad\qquad (ii) a^2b+ab^2$$

20. In Fig, ABCD is a parallelogram, in which AB=8 cm, AD =6 cm and altitude AE = 4 cm. Find the altitude corresponding to side AD.

SUBJECT- SCIENCE

Worksheet: Current and Its Effects

Section A: Fill in the blanks
1. An electric ____ flows through a circuit when it is complete.
2. The SI unit of electric current is ____.
3. A device that is used to break or complete a circuit is called a ____.
4. ____ is the process of producing a magnetic field around a current-carrying conductor.
5. A battery is a combination of two or more ____ connected together.

Section B: True or False
1. The filament in a bulb is made of tungsten.
2. A fuse is used to increase the current in an electric circuit.
3. An electromagnet is a temporary magnet.
4. The strength of an electromagnet increases with more turns of the coil.
5. A closed circuit allows current to flow through it.

Section C: Short Answer Questions
1. What is an electric circuit? Draw a simple diagram of a circuit with a bulb, switch, and battery.
2. Define an electromagnet. How can you make it stronger?
3. What are the effects of electric current?
4. Why is a fuse used in an electric circuit?
5. Name two appliances that work on the heating effect of electric current.

Section D: Long Answer Questions
1. Explain the magnetic effect of electric current with an example.
2. How does an electric bell work? Explain its working with a labeled diagram.
3. List three differences between an electromagnet and a permanent magnet.

Section E: Diagram-Based Question
1. Draw and label the following:

a) A circuit with a battery, bulb, and switch in a closed position.
b) An electromagnet using a nail, wire, and battery.

Section F: Multiple Choice Questions (MCQs)
1. The device used to prevent excessive current in a circuit is:
a) Battery
b) Switch
c) Fuse
d) Electromagnet

2. An electromagnet can be made using:
a) A steel rod and battery
b) A soft iron rod, wire, and battery
c) A plastic rod and battery
d) A copper rod and battery

3. The heating effect of current is used in:
a) Refrigerator
b) Electric iron
c) Electric fan
d) Ceiling lamp

4. Which of the following is a good conductor of electricity?
a) Wood
b) Rubber
c) Copper
d) Plastic

5. The filament in an electric bulb gets heated due to:
a) Magnetic effect of current
b) Chemical effect of current
c) Heating effect of current
d) None of these

Worksheet: Forests – Our Lifeline

Section A: Fill in the Blanks
1. The uppermost layer of the forest is called the .
2. Plants release gas during photosynthesis.
3. Forests prevent of soil by holding it firmly with their roots.
4. Forests act as a for various animals and plants.
5. The process of water vapour entering the atmosphere from trees is called .

Section B: True or False
1. Forests help in maintaining the balance of oxygen and carbon dioxide in nature. ( )

2. Decomposers help in forming humus in the soil. ( )
3. Forests cannot prevent floods. ( )
4. Trees in forests improve the air quality. ( )
5. A large variety of organisms can live in forests. ( )

Section C: Short Answer Questions
1. What is the importance of forests for humans and animals?
2. How do forests prevent soil erosion?
3. What are decomposers? Give two examples.
4. Why are forests called the "lungs of the Earth"?

Section D: Long Answer Questions
1. Describe the different layers of a forest and the types of organisms found in each layer.
2. Explain the role of forests in maintaining the water.

Section E: Activity
Draw a labelled diagram of a forest showing the different layers (Canopy, Understory, Shrubs, Forest floor).

SUBJECT- SOCIAL SCIENCE

Note: **Homework to be done in fair note book**
1.Read Chapter 8 Eighteenth - Century Political Formation and write about 5-10 lines on the Crisis in Mughal Empire and the Later Mughals.

2.Read Chapter 6 Devotional Paths to the Divine and write 40 to 50 words on
   a) Bhakti Movement
   b) Sufism in India

3. Read Chapter 5 Tribes, Nomads and Settled Communities and answer this question
In what ways was the history of Gonds different from that of the Ahoms? Were there any similarities?

4. On the political map of South America, draw the equator.Make the countries through which equator passes.

5. Locate the tributaries of Ganga and Brahmaputra river on an outline political map of India.

6. Draw following diagram
   a) Water cycle
   b) Sping Tide
   c) Neap Tide

7.Revise and learn the complete syllabus given for Annual Exam.

विषय- संस्कृत

प्रश्र - 1 विद्याधनम् पाठ के तीन श्लोक सस्वर याद करके लिखेंगे|

प्रश्न- 2 अमृत संस्कृतम् पाठ का सारांश (summary) हिंदी भाषा में लिखेंगे |

प्रश्न- 3 पा धातु के लट लकार एवं लट लकार   लिखिए I

प्रश्न- 4, 'किम्'   शब्द रूप (पुलिंग) के प्रथम , तृतीय ,चतुर्थी विभक्ति तीनों वचनों में लिखिए तथा तथा उन्हें याद भी कीजिए |

प्रश्न- 5, पांच फलो के नाम संस्कृत में लिखिए |

निम्नलिखित प्रश्रों के उत्तर दीजिए |

1. क: पशु: ?
2. का भोगकरी ?
3. के पुरुषं न विभूषयन्ति ?
4. गुरुणां गुरु: का अस्ति ?
5. का भाषा प्राचीनतमा ?
6. शुन्यस्य प्रतिपादनं क अखरोत ?
7. संस्कृतम् किम् शिक्षयति ?
8. कानि क्षीयन्ते ?
9. कस्या: भाषाया: काव्य सौंदर्यम् अनुपम् ?
10. कौटिल्येन रचयितं शास्त्रं किम् ?