Autumn Break Holiday Homework
Class -7 Sub- SST

◆**New Vocabulary Word Bank:** Pick any two chapters you found most interesting, list **10 new/historical terms**, and write their meanings in your own words.

◆ Write and solve 5 Multiple Choice Questions (MCQs) and 2 Assertion-Reasoning questions from Chapter 2 or Chapter 3.

◆Prepare a 4-page mini-booklet or collage titled **"Unity in Diversity"**.Collect pictures, festival names, traditional attire, and folk art forms from at least **three different states** of India that show how diverse communities live and celebrate together.

◆On a physical map of India, mark 15 Agro climatic regions of India and also mark atleast one major crop of each region.

◆Create a small info-card for any **one** neighboring country detailing its shared cultural or historical ties with India.

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AUTUMN BREAK HOLIDAY HOMEWORK

CLASS – VII

MATHEMATICS

1. Large Numbers Around Us: Find 5 large numbers from newspapers/books and write them in the Indian and International Number Systems.
2. Arithmetic Expressions: Solve 10 arithmetic expressions using the correct order of operations.
3. A Peek Beyond the Point: Write 5 real-life examples involving fractions and decimals and solve them.
4. Expressions Using Letter-Numbers: Write 10 simple algebraic expressions using variables and identify their terms and coefficients.
5. Parallel and Intersecting Lines: Find 5 examples of parallel and intersecting lines around you and draw them neatly.
6. Number Play: Find any 3 interesting number patterns and explain the rule of each pattern.

SCIENCE

1. The Ever-Evolving World of Science: Write 5 examples of how science is used in our daily life.
2. Exploring Substances: Acidic, Basic and Neutral: Make a table of 10 common substances and classify them as acidic, basic or neutral.
3. Electricity and Circuits: Their Components: Draw and label a simple electric circuit and write the function of its main components.
4. Metals and Non-Metals: Make a table of 5 metals and 5 non-metals and write any two properties of each.
5. Physical and Chemical Changes: Write 5 examples each of physical changes and chemical changes from daily life.
6. Adolescence: Write short notes on adolescence, puberty and the importance of a balanced diet.

GENERAL INSTRUCTIONS

- Complete the work neatly in your subject notebook/file.
- All answers should be based on the NCERT textbook.
- Use your own words wherever possible.
- Complete the activities carefully.
- Bring the completed homework after the Autumn Break.
- Keep your work neat, creative and presentable.

AUTUMN BREAK HOLIDAY HOMEWORK

CLASS :- VII SUBJECT :- ENGLISH

SECTION: - A

1. WRITE EVERYDAY ONE PAGE WRITING IN YOUR WRITING COPY.
2. REVISE ALL OBJECTIVE QUESTION AND ANSWER WITH GRAMMAR PORTION.
3. WRITE AN ESSAY ON ANY ONE IN ABOUT 60 – 80 WORDS.
   (A) DURGA POOJA (B) DISCIPLINE (C) MY FAVOURITE SUBJECT

4. CHANGE INTO PASSIVE VOICE:-
   1. SHE WRITES A LETTER.
   2. RAM READS A STORY.
   3. SHE IS LEARNING SEW.
   4. GOPAL AND RADHA ARE SINGING.
   5. I AM RESPECTING HIM.

5.VERB CONJUGATION BANK :-

WRITE DOWN 30 VERB ACTION WORD ALONG WITH THEIR THREE MAIN VERB ONE, BASE FORM, VERB TWO, SIMPLE PAST, V3 PAST PARTICIPLE.

SECTION :- B

1. FORMAL APPLICATION :-
   DRAFT A FORMAL APPLICATION TO YOUR SCHOOL PRINCIPAL REQUESTING A SPECIFIC STUDENT UTILITY AMENDMENT SUCH AS SETTING UP A BASKESTBALL FACILITY.

   2.STORY OUTLINE COMPLETION .

   CONSTRUCT A COHESIVE STORY (WITH A TITLE AND MORAL)

   A FOX AND THE CROW ……

   IN YOUR OWN LANGUAGE.

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AUTUMN BREAK HOLIDAY HOMEWORK

CLASS – VII

विषय: हिंदी

1. अपनी पाठ्यपुस्तक के पाठ 7(वर्षा बहार) का सारांश 150–200 शब्दों में लिखिए।
2. “संधि, समास, उपसर्ग और प्रत्यय की परिभाषा उदाहरण सहित लिखिए।
3. 15 मुहावरे उनके अर्थ और वाक्यों सहित लिखिए।
4. किसी एक प्रसिद्ध हिंदी कवि का चित्र लगाकर उनका जीवन परिचय और प्रमुख रचनाएँ लिखिए।

विषय: संस्कृत

1. संस्कृत में 1 से 50 तक संख्याएँ लिखिए।
2. ‘राम’, ‘मुनि’ और ‘लता’ शब्द रूप लिखकर याद कीजिए।
3. ‘पठ्’, ‘गम्’ और ‘लिख्’ धातु के लट् लकार के रूप लिखिए।
4. संस्कृत में दस वाक्य अपने विद्यालय के विषय में लिखिए।
5. दस श्लोक लिखिए और याद करे उनमें से किसी दो के हिंदी अर्थ लिखिए।
6. संस्कृत में दस फूलों और दस पक्षियों के नाम चित्र सहित लिखिए।

CLASS – VII

Part A: Computational Thinking

Answer the following questions in your computer notebook.

1. Define Computational Thinking and explain its importance.
2. Explain decomposition with a real-life example.
3. What is pattern recognition? Explain with two examples.

4. Explain abstraction with a suitable example.
5. What is algorithmic thinking?
6. Write an algorithm to find the largest of two numbers.
7. Draw a flowchart to check whether a number is even or odd.
8. What is debugging? Why is it important?
9. Explain the difference between sequence and repetition in an algorithm.
10. How does Computational Thinking help in solving everyday problems?

Part B: Artificial Intelligence

1. Define Artificial Intelligence.
2. Explain the difference between AI, machine learning and human intelligence.
3. What is machine learning?
4. What is data in AI? Why is data important?
5. Explain how AI is used in education, healthcare and transportation.
6. What is computer vision? Give two examples.
7. What is Natural Language Processing (NLP)?
8. Write four advantages and two limitations of AI.
9. What are AI bias and fairness?
10. Write five rules for using AI safely and responsibly.

Activity Work

- Draw a flowchart to find the largest of three numbers.
- Prepare a chart on "AI in Everyday Life" with at least six examples.
- Write an algorithm for preparing your school bag for the next day.
- Write five ways in which AI can help students and explain two precautions while using AI tools.