Summer Vacation Holiday Homework (2025-26)
Class: IX   **Subject: Social science**

A.Inter Disciplinary Project
● Do it in scrap book in beautiful handwriting with creativity.
● Paste related pictures, maps and decorate decently.
● Project will be done by individual students not in group.

Topics of project:
Ch.4 History: Forest society and Colonialism
● Colonialism and forest society
● Rebellion in the forest
● Forest transformation in Java
● Problems faced by forest dwellers
● Commercial forestry

Ch.5 Geography : Natural vegetation and wildlife
● Role of gov. in protecting the forest cover and wildlife at present time
● Natural vegetation of India
● Wildlife of India

B. Make and write 10 questions of one mark (one word or one sentence) from each of following ch.
• French revolution
• India: Size and location
• What is democracy? Why democracy?
• Story of village Palampur

C. Do map practice of ch.1 history and ch.1 geography

SUBJECT: - MATHEMATICS

Q.1	Solve all the examples of Chapter 1 and Chapter 2 in theH.W. note book.
Q.2	Solve the Practice Questions of Chapter 1 provided you in your H.W. note book.
Q.3	Solve the Practice Questions of Chapter 2 provided you in your H.W. note book.

PRACTICE QUESTIONS CHAPTER 1 NUMBER SYSTEMS

Q.1	Represent $\sqrt{3}$ on the number line.
Q.2	Represent $\sqrt{5}$ on the number line.
Q.3	Represent $\sqrt{8.7}$ on the number line.
Q.4	Find 6 rational numbers between $\frac{1}{5}$ and $\frac{7}{8}$.
Q.5	Find 3 irrational numbers between $\frac{1}{7}$ and $\frac{4}{7}$.

Q.6	Find 4 irrational numbers between $\sqrt{2}$ and $\sqrt{3}$.
Q.7	Find the value of 1.9999..... in the form of $\dfrac{p}{q}$.
Q.8	Find the value of $2.\overline{6}$ - $0.\overline{9}$.
Q.9	If $\dfrac{\sqrt{3}+1}{\sqrt{3}-1}$ = a + b$\sqrt{3}$, find the value of a and b.
Q.10	Simplify the expression $(4\sqrt{5} - 3\sqrt{2})(3\sqrt{5} + 5\sqrt{2})$
Q.11	Simplify $(25)^{1/3} \times (5)^{1/3}$
Q.12	If $(5)^{x-3} \times (3)^{2x-8}$ = 225, then find the value of x.
Q.13	Find three rational numbers between 10 and 12.
Q.14	Express $32.12\dfrac{35}{}$ in the form of $\dfrac{p}{q}$.
Q.15	Find the sum of $2.\dfrac{3}{}$ and $4.\dfrac{15}{}$.
Q.16	Find the value of $\dfrac{6}{\sqrt{5}-\sqrt{3}}$, if $\sqrt{3} = 1.732 \ and \ \sqrt{5}$ 2.236.
Q.17	Find the value of x, if $2^{7x} \div 2^{2x} = \sqrt[5]{2^{15}}$
Q.18	If a and b are rational numbers and $\dfrac{\sqrt{11}-\sqrt{7}}{\sqrt{11}+\sqrt{7}}$ = a - b$\sqrt{77}$, find the values of a and b.
Q.19	Find the values of a and b, if $\dfrac{7+3\sqrt{5}}{3+\sqrt{5}} - \dfrac{7-3\sqrt{5}}{3-\sqrt{5}}$ = a + $\sqrt{5}$ b
Q.20	If a = $\dfrac{1}{7-4\sqrt{3}}$ and b = $\dfrac{1}{7+4\sqrt{3}}$, find the values of the following : (i) a² + b² (ii) a³ + b³

PRACTICE QUESTIONS CHAPTER 2 POLYNOMIALS

Q.1	Find the coefficient of x² in the following polynomials: (i) (x – 4)(x – 4) (ii) $1 - x^2 - x^3 + 2x^7$ (iii) (x + 4) (x + 4) (x + 4) (iv) $(2x - 5)(2x^2 - 3x + 1)$ (v) $(3x^2 + 2x - 4)(x^2 - 3x - 2)$
Q.2	Find the degree of the following polynomials : (i) $\sqrt{5}$ (ii) $1 - x^2 - x^3 + 2x^7$ (iii) (x – 1)(x + 1) (iv) $4x^4 + 0.x^3 + 0.x^5 + 5x + 7$ (v) 2x + y – 3
Q.3	Identify the types of following polynomials on the basis of terms :

	(i) $20y^3 + 3y + 8$ (ii) 4 (iii) $x^2 + 5x$
Q.4	Identify the types of following polynomials on the basis of their degree : (i)5 (ii) $2x - 3$ (iii) $2t^3 - 3t^2 + 5t - 4$ (iv) $3y^2 - 4x + 5$ (v)$2x^4 - 5x^3 + 4x^2 - 3x + 2$

Q.5	Give an example of a polynomial, which is
	    (i) Monomial of degree 1
	    (ii) Binomial of degree 22
	    (iii) Trinomial of degree 5

Q.6	If $f(t) = 4t^2 - 3t + 6$, find (i) $f(4)$. (ii) $f(-5)$.
Q.7	How many zeroes does a cubic polynomial have?
Q.8	How many zeroes does a zero polynomial have?
Q.9	What is the zero of the polynomial $p(x) = a^2x$, $a \neq 0$?
Q.10	Find the zero of the following polynomials : (i)$p(x) = 4 - 3x$ (ii) $p(t) = 2t - \dfrac{5}{2}$ (iii) $q(y) = 2y - \dfrac{1}{2}$ (iv) $r(z) = \dfrac{z}{2} - 3$
Q.11	If $x = 2$ and $x = 0$ are zeroes of the polynomial $2x^3 - 5x^2 + ax + b$, find the values of a and b.

विषय : हिंदी

1. 20 पेज हिंदी सुलेख का कार्य करें ताकि आपके लिखावट और वर्तनी में सुधार हो सके।   **(**अलग कॉपी)
2. क्षितिज- **1.** दो बैलों की कथा **2.** कबीर - साखियाँ एवं सबद पाठ का भावार्थ तथा प्रश्नोत्तर याद करो।
3. कोई भी एक औपचारिक तथा एक अनौपचारिक पत्र लिखो।
4.. निम्नलिखित विषय पर अनुच्छेद लिखो।
 (क) अनुशासन का महत्त्व (ख) कुसंगति के दुष्प्रभाव
5. राम और मोहन के बीच बढ़ती महंगाई के विषय पर संवाद लिखो।
6. मुंशी प्रेमचंद द्वारा लिखीं पांच कहानियो को पढ़िए और उनसे प्राप्त शिक्षाओं को अपने शब्दों में लिखिए.

परियोजना कार्य-(फ़ाइल में करना है)
1. अपने बारे में एक पोर्टफोलियो तैयार कीजिए।
2. प्राकृतिक आपदा- बाढ़ के कारण , दुष्परिणाम तथा इसके निवारण के उपाय सुझाते हुए सचित्र परियोजना तैयार करो।विषय से संबंधित आँकड़े भी एकत्र करो ।
1. प्रतिदिन हिंदी का अखबार पढ़े।
2. सामान्य व्याकरण पढ़े।

Subject: Artificial Intelligence

A. Fill in the Blanks:
1. _____ is the process of exchanging ideas, thoughts, and feelings.
2. Listening carefully to the speaker is called _____ listening.
3. _____ communication is done using body language.
4. _____ skills help us control our emotions and behavior.
5. Time management is a part of _____ skills.

B. Answer the Following Questions:
1. What do you mean by Communication? List its types with examples.
2. What are Barriers to Effective Communication? Name any 3.
3. What is the importance of Self-Management Skills in daily life?

4. How can you improve your Time Management Skills?

C. Practical & Creative Work:

1. Role-Play/Script Writing:
    o Prepare a small dialogue (8–10 lines) between two friends where one helps the other understand the importance of self-discipline.
2. Poster Making:
    o Create a colorful poster on "Tips for Effective Communication" or "How to Manage Time Efficiently".
3. Research & Write (5–7 lines each):
    • Name one famous personality who is known for excellent communication skills. What do you admire about their way of speaking?

D. Instructions:

- Complete all tasks in a separate notebook.
- Decorate your work neatly and creatively.
- Submit the homework on the first day after holidays.

Subject : English

Homework must be done in a small separate copy.

1 . Choose a book from the list given below and write a review of the selected book. *BOOKS*

i) Ruskin Bond (Any book)

ii) Sudha Murthy (Any book)

 iii) Peter Pan- James Matthew Barrie

Write a review covering:

  - Brief summary

  - Key themes and messages

  - Your personal take on the characters and storytelling

  - What lesson or insight you gained from it

2. Discursive Paragraph Writing (Creative Writing)

 Select a newspaper or magazine article about current events. Write a reflection on- The main issue discussed:

  The writer's point of view

    How this issue affects society

    Your own opinion on the matter

  Paste pictures

3.Write about your experience in the new academic session using all forms of past tense.

4. Review all the completed lessons and prepare yourself for the upcoming examinations.

Subject: Science

Q- MULTIPLE CHOICE QUESTIONS-
(CHOOSE THE CORRECT OPTION)

1 Seema visited a Natural Gas Compressing Unit and found that the gas can be liquefied under specific conditions of temperature and pressure. While sharing her experience with friends she got confused. Help her to identify the correct set of conditions.
(a) Low temperature, low pressure
(b) High temperature, low pressure
(c) Low temperature, high pressure
(d) High temperature, high pressure
ANS----------------

2 The property to flow is unique to fluids. Which one of the following statements is correct?
(a) Only gases behave like fluids.
(b) Gases and solids behave like fluids.
(c) Gases and liquids behave like fluids.
(d) Only liquids are fluids.
ANS----------------

3 During summer, water kept in an earthen pot becomes cool because of the phenomenon of
(a) diffusion   (b) transpiration   (c) osmosis   (d) evaporation.
ANS----------------

4. A few substances are arranged in the increasing order of 'forces of attraction' between their particles. Which one of the following represents a correct arrangement?
(a) Water, air, wind   (b) Air, sugar, oil
(c) Oxygen, water, sugar   (d) Salt, juice, air
ANS----------------

5 On converting 25°C, 38°C and 66°C to Kelvin scale, the correct sequence of temperature will be
(a) 298 K, 311 K and 339 K   (b) 298 K, 300 K and 338 K
(c) 273 K, 278 K and 543 K   (d) 298 K, 310 K and 338 K
ANS----------------

6.Which condition out of the following will increase the evaporation of water?
(a) Increase in temperature of water   (b) Decrease in temperature of water
(c) Less exposed surface area of water   (d) Adding common salt to water
ANS----------------

7. A student adds ink to water. The ink particles spread throughout the water. Which property of water allows other particles to diffuse in it?
(a)fixed volume   (b)inability to compress
(c) intermolecular spaces   (d) ability to change shape
ANS----------------

8. Cooking gas is known as LPG (Liquified Petroleum Gas). How can a gas be liquified?
(a) when pressure is applied to the gas
(b) when temperature of the gas is increased
(c) when gas is mixed with a liquid substitute
(d) when the force of attraction between particle is reduced

ANS----------------

ANSWER THE FOLLOWING QUESTIONS-
(1). Osmosis is a special kind of diffusion'. Comment.

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(2) Water as ice has a cooling effect, whereas water as steam may cause severe burns. Explain these observations.

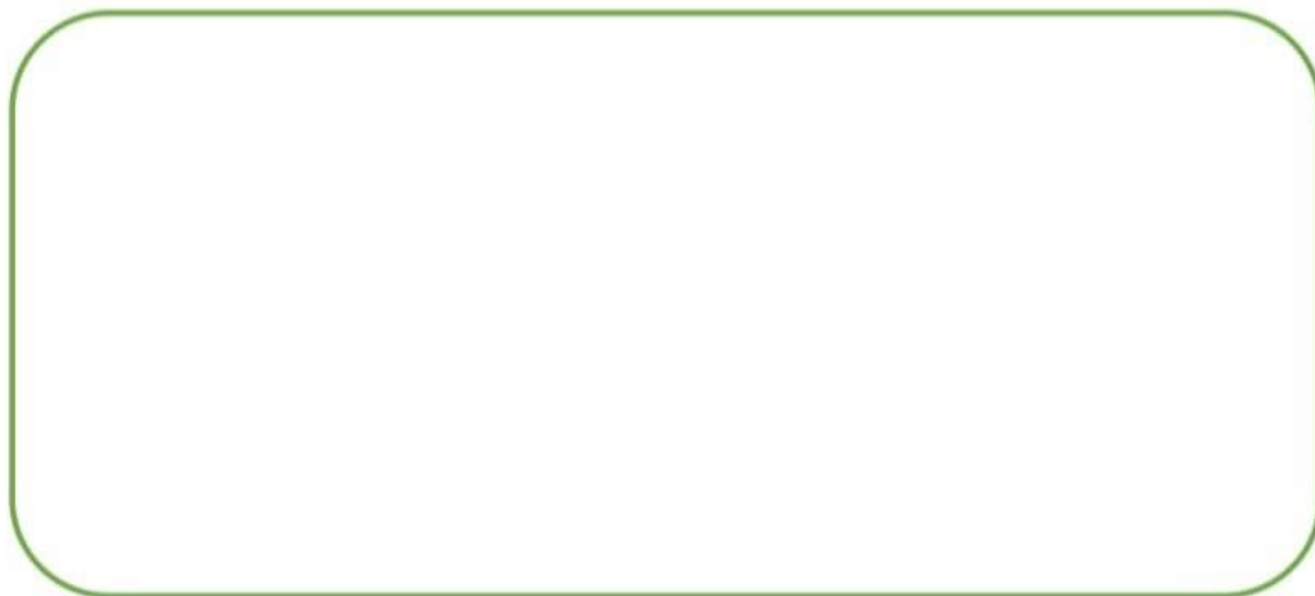---

(3) You are provided with a mixture of naphthalene and ammonium chloride by your teacher. Suggest an activity to separate them with well labelled diagram.

(4) Which gas is called dry ice? Why?

....

....

....

6. How does evaporation differ from boiling? (3 Points)

....

....

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....

....

7. Adil parked his bicycle on a sunny day in a parking stand of his school campus. When the school got over Adil saw his burst cycle type. Thereafter he kept less air in his cycle types and did not inflate them fully.

(a) Why did the type burst?

(b) Why is air compressible?

The temperature-time graph given alongside shows the heating curve for pure wax.
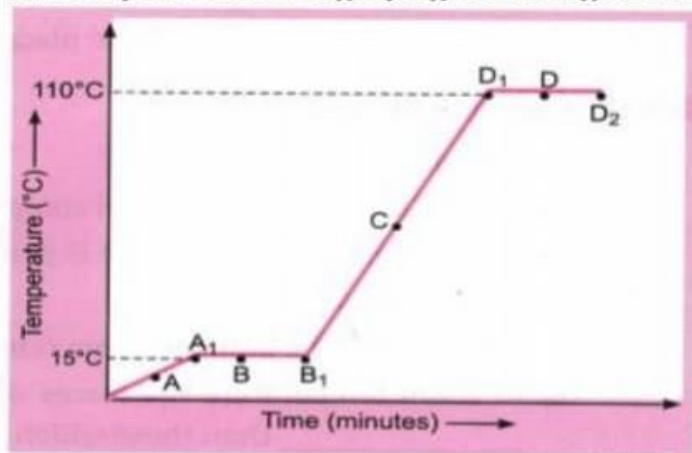
From the graph answer the following:

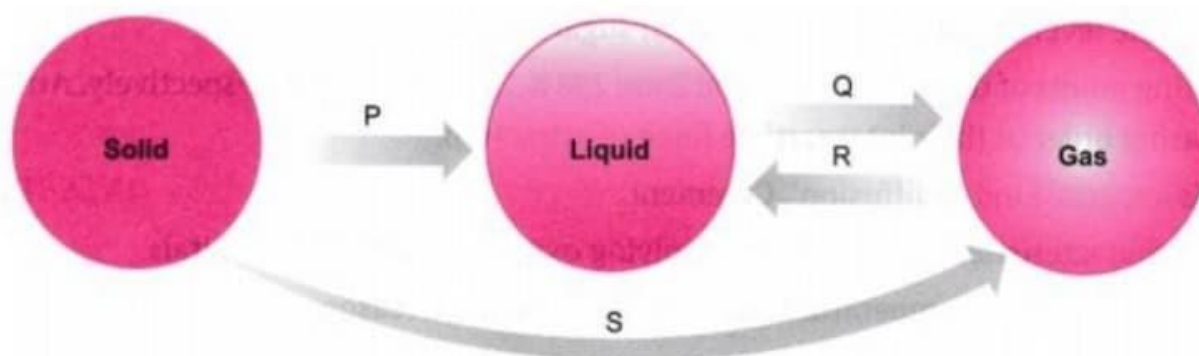**(a) What is the physical state of the substance at the points A, B, C and D?**

....

(b) What is the melting point of the substance?

3

....

(c) What is its boiling point?

....

(d) Which portions of the graph indicates that change of state is taking place?

....

(e) Name the terms used for heat absorbed during change of states involved in above process.

....

Q8- (a) Name the changes in the terms of process P, Q, R and S?

ANS_____ _____ _____ _____

Q9. The diagram below shows burning of an oil lamp.
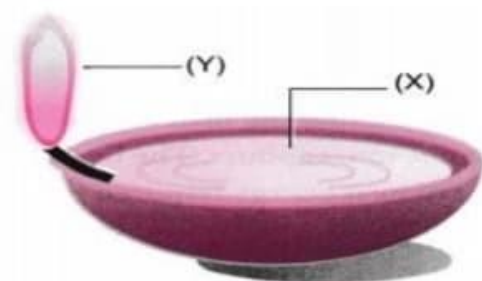
Draw the arrangement of particles of position 'X' and 'Y' when the lamp is burning.

ANS-

4
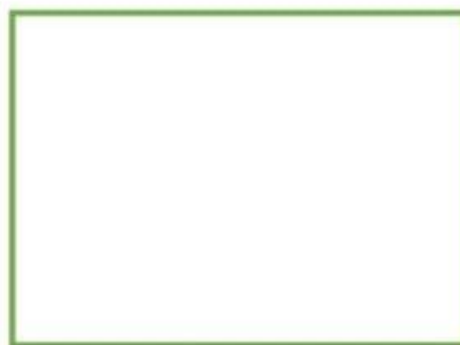
Summer Vacation Holiday Homework (2025-26)

Class: X   **Subject: Social science**

A.Inter Disciplinary Project

● Do it in scrap book in beautiful handwriting with creativity. Paste related pictures, maps and decorate decently.

● Project will be done by individual students not in group.

Topics of project:

Ch.3 History: The making of a global world

• The nineteenth century (1815-1914)

• The Inter-war Economy

• Rebuilding a World Economy: The Post-war Era

• End of Bretton Woods and the beginning of "Globalisation"

Ch.7 Geography : Lifelines of National economy

• Different modes of transportation

• International trade

• Tourism as a trade

CH.4 Economics: Globalisation and Indian economy

• Production across the countries

• World Trade Organisation

• The Struggle for a Fair Globalisation

B. Make and write 10 questions of one marks from each of following ch.

• Rise of Nationalism in Europe

• Power sharing

• Development

• Resources and development.

Subject: English

All the writings should reflect originality (In class copy)

1. State all the poetic devices of a)Dust and Snow   b)Fire and Ice poems along with the lines.

 2. Read all the chapters we have done in the class and make 10 short questions and answers from your understanding.

Extract-Based Questions

 1. Select two key passages from **First Flight and Footprints Without Feet** First chapters

 Frame three **extract-based** questions for each, focusing on:

 -Theme and central message

 - Use of figures of speech

 - Character development and conflicts

 - solve them.

Letter Writing

1.Your school lacks proper sanitation facilities, affecting students' health. Write a letter to the editor advocating for better hygiene measures.

Grammar

Exercise

Convert the following into indirect speech:

 1. "I am working on a new research project," said the scientist.

2. "We will leave for the trip next Monday," announced the tour guide.

3. "Please submit your project by the end of the week," the teacher instructed.

4. "Will you be able to complete the task by tomorrow?" inquired the supervisor.

5. "How long have you been practicing the piano?" asked the instructor.

Subject : Science

1. Mini Project: "Chemical Reactions in Daily Life" (Topic: Chemical Reactions and Equations)
- Task: Create a report on chemical reactions observed in everyday life.
- Instructions:
    - Identify 3 chemical reactions at home (e.g., rusting of iron, burning of a candle, curd formation).
    - For each, write: What happens? What are the reactants and products? Is it exothermic or endothermic?
    - Write a balanced chemical equation for one of the reactions (refer to your textbook).
    - Answer: Why is balancing a chemical equation important? (4-5 sentences)
    - Submission: A 3-4 page report or 3 A4 sheets with descriptions, equations, and answers.
- Learning Objective: Understand types of chemical reactions and their applications.

2. Activity: "Testing pH at Home" (Topic: Acids, Bases, and Salts)
- Task: Test the pH of common household substances.
- Instructions:
    - Collect 5 substances (e.g., lemon juice, soap solution, milk, baking soda solution, vinegar).
    - Use red and blue litmus paper (or turmeric as a natural indicator) to test if each is acidic, basic, or neutral.
    - Make a table: Substance, Litmus Test Result, Acidic/Basic/Neutral.
    - Answer: What is the role of pH in daily life (e.g., in digestion or agriculture)? (5-6 sentences)
    - Submission: A sheet with the table and written answers.
- Learning Objective: Learn about acids, bases, and pH indicators.

3. Experiment: "Ohm's Law in Action" (Topic: Electricity)
- Task: Verify Ohm's Law using simple materials (if available) or analyze a hypothetical circuit.
- Instructions:
    - If possible, set up a circuit with a battery (1.5V or 9V), a resistor (e.g., small bulb), and a multimeter (with adult supervision). Measure voltage and current, and calculate resistance (R = V/I).
    - Alternatively, use hypothetical values: Assume a circuit with 3V, 6V, and 9V batteries and a 10Ω resistor. Calculate current for each voltage.
    - Make a table: Voltage (V), Current (I), Resistance (R).
    - Answer: What is Ohm's Law? How does it help in designing electrical appliances? (5-6 sentences)
    - Submission: A sheet with the table, calculations, and answers.
- Learning Objective: Understand the relationship between voltage, current, and resistance.

4. Poster Making: "Renewable Energy for a Sustainable Future" (Topic: Sources of Energy)
- Task: Create a poster on the importance of renewable energy sources.
- Instructions:
    - Use an A4 sheet or chart paper. Draw or paste images of renewable energy sources (e.g., solar panels, wind turbines, hydroelectric dams).
    - Write a catchy slogan (e.g., "Go Green, Power Clean!").
    - List 3 advantages of renewable energy over non-renewable sources and 2 ways to promote its use.
    - Submission: A colorful poster with the slogan and list.
- Learning Objective: Raise awareness about sustainable energy solutions.

5. Fun Quiz: "Science Mastermind" (Topic: General Science)
- Task: Answer a set of 10 questions based on the Class 10 Science syllabus.
- Instructions:
    - Questions (to be answered on a sheet):
        - What gas is released during photosynthesis?
        - Name the mirror that always forms a virtual image.
        - What is the chemical formula of baking soda?
        - Define power in the context of electricity and give its SI unit.
        - What is the role of the pancreas in digestion?
        - Name one greenhouse gas and its source.
        - What is the difference between a food chain and a food web?
        - Why do stars appear to twinkle?
        - What is the function of genes in heredity?
        - Name one method of waste management.
    - Submission: A sheet with answers in complete sentences.
- Learning Objective: Revise key concepts across physics, chemistry, and biology.

Guidelines for Students
- Time Management: Spend 1-2 hours daily on these tasks to balance learning and relaxation.
- Materials Needed: Basic stationery (A4 sheets, colors, pencils), household items (e.g., litmus paper, lemon juice), and access to your Science textbook or safe internet for reference (with adult supervision). For the electricity experiment, use hypothetical data if equipment is unavailable.
- Presentation: Ensure neatness and creativity. Include diagrams, equations, or photos where applicable.
- Parental Support: Seek help for experiments or sourcing materials, but complete the writing and creative tasks independently.
- Submission: Submit all tasks to your Science teacher after the holidays. Label each task with your name, class, and topic.

Subject: Artificial Intelligence

A. Python Basics:

1. Fill in the Blanks:
1. Python was developed by _____.
2. A group of statements written in Python is called a _____.
3. _____ function is used to display output in Python.
4. Python files have the extension _____.
5. The _____ operator is used for addition in Python.

2. Answer the Following Questions:
1. What is Python? List any 3 features of Python.
2. What is the difference between a variable and a constant in Python?
3. Write the syntax of the print() and input() functions.
4. What are data types in Python? Name any 3.
5. What is the use of comments in Python? How do you write a comment?

3. Practical Task: Write the following Python programs in your notebook:
   a) A program to print "Hello, AI World!"
   b) A program to print cube and square of a number entered by the user.
   c) A program to find area and perimeter of trainagle,rectangle,square and circle.

B. Communication Skills:

1. Fill in the Blanks:

1. The process of exchanging information is called _____.
2. _____ communication involves using gestures and facial expressions.
3. A good listener always maintains _____ contact.
4. _____ is a major barrier to communication.
5. _____ skills are essential for expressing ideas clearly.

2. Answer the Following Questions:

1. Define communication and mention its types.
2. What are the qualities of a good communicator?
3. Name any 3 barriers to effective communication.
4. What is the role of body language in communication?
5. How can you improve your listening skills?

C. Creative & Fun Tasks:

1. Poster Making:
    - o Design a colorful poster on "Why Learn Python?" or "Tips for Effective Communication."
2. Dialogue Writing:
    - o Prepare a short dialogue (8–10 lines) between a teacher and a student where they discuss the importance of learning Python.

D. Instructions:

- Complete all tasks in a separate notebook.
- Decorate your work neatly and creatively.
- Submit the homework on the first day after holidays.

केंद्रीय विद्यालय क्रमांक -1, तेजपुर.

ग्रीष्मकालीन अवकाश गृहकार्य

कक्षा-8 (हिंदी)

1. 20 पेज हिंदी सुलेख लिखिए ताकि आपके लिखावट और वर्तनी में सुधार हो सके.

2. कोई भी एक अपठित काव्यांश लिखकर उसमें से पाँच प्रश्न बनाकर उनके उत्तर लिखो।

3.अपने मित्र को कुसंगति से बचने के लिए पत्र लिखो।

4.ग्रीष्मावकाश के दौरान आपने जिन भी स्थानों में भ्रमण किया उन स्थानों के बारे में आपको क्या बातें अच्छी लगीं. इसे अपने शब्दों में लिखिए।

5. निम्नलिखित विषय पर अनुच्छेद लिखो।

 (क) मेरी बस यात्रा   (ख) पुस्तकों का महत्त्व.

6. प्रेमचंद की लिखी कोई दो कहानियां पढ़िए और उसके शिक्षाप्रद बातों को अपने शब्दों में लिखिए.

परियोजना कार्य-(फ़ाइल में करना है)

1. ' प्लास्टिक को ना कहो' विषय पर MDP तैयार करो।

- नारा लिखना

- पोस्टर बनाना

2.साइबर क्राइम और ग्लोबल वार्मिंग से धरती को बचाने की अपील पर विज्ञापन लिखो.

1. प्रतिदिन हिंदी का अखबार पढ़ो।

2. सामान्य व्याकरण पढ़ो।

Science Holiday homework for class 8

To be done in activity copy

1 what are the behaviour change that takes place in an adolescent. List few changes that has taken place in you.
2. What are the requirements of an ideal diet for healthy growth of adolescent.
3. Why is it important to take care of personal hygiene during puberty.
4. Define menarche, mensuration and menopause.
5. What is rainwater harvesting and on which day World water Day is observed?
6. Draw the figure of four pots of figure 16 in the bridge course program and answer weather the seeds will germinate in each part or not?
7. What are millets? Is millets available nearby? Can millets help to overcome any nutritional deficiencies. Fill up the table 15 in your activity copy
8. Draw the flowchart of story of Chapati from cultivation to the plate what is this whole travel is called as?

English Holiday Homework for Class 8

1. Reading Comprehension
- Read a book of your choice and write a book review (approx. 200-250 words) including:
  - Brief summary
  - Favorite character(s) and reason(s)
  - Themes or messages
  - Personal opinion
2. Writing Exercises
- Story Writing: Write a story (approx. 350-500 words) on a theme or topic of your choice, such as adventure, friendship, or overcoming challenges. First you have to make daily observations from the different things around you and then incorporate them in your story. Minimum days of observations should be of 25 days. While writing,

first you have to mention the different observations chronologically (along with the dates in the bracket) and then using them, write a story with different genres such as horror, comedy, tragedy, etc.
- E-mail Writing: Email Writing Exercise
Objective: Write a formal or informal email on one of the following topics:
i. Thank-you Email: Write an email to a friend or family member thanking them for a gift or favor.
ii. School Event: Write an email to a teacher or school administrator about a school event or proposal.

3. Grammar and Vocabulary
* Identify and correcting errors in sentences
English Grammar Error Finding Exercise for Class 8
Instructions
Identify and correct the errors in the following sentences:

1. Me and my friend went to the park.
2. The teacher give us a lot of homework tonight.
3. The book, that is on the table, is mine.
4. If I will study hard, I will pass the exam.
5. The dog chase it's tail with enthusiasm.
6. The students in our class is very friendly.
7. I don't have no money with me.
8. The movie were really interesting.
9. I'm going to the store, can I get something for you?
10. The teacher asked the students to write a essay.

<div align="center">

ग्रीष्मकालीन अवकाश

कक्षा –8   विषय – संस्कृत

</div>

1. चित्रं रचयित्वा तस्योपरि संस्कृते पञ्च वाक्यानि लिखत (कोई भी चित्र बनाकर उसके ऊपर संस्कृत में पांच वाक्य लिखिए)

2. एकत: शतम् पर्यन्तं (1 से 100) संस्कृते संख्यावाचक शब्दं लिखत कंठस्थ च कुरु| (एक से सौ तक संस्कृत में गिनती लिखिए व याद कीजिए)

3. प्रतिदिनं एक: नूतन संस्कृत शब्द: निज शब्दकोषे अर्थ सहितं लिखत कंठस्थ च कुरु|
 (प्रतिदिन एक नया संस्कृत शब्द अर्थ सहित अपनी डिक्सनरी (शब्दकोष) में लिखिए व याद कीजिए)

4. अस्मद् युष्मद् च शब्दस्य रूपाणि लिखत कंठस्थ च कुरु (अस्मद् युष्मद् के शब्द रूप लिखो व याद करो)

5. पञ्चदश क्रिया पदानि लेखित्वा तेषां वाक्ये प्रयोगं कुरु| (संस्कृत में 15 क्रिया पद लिखकर उनका वाक्य में प्रयोग करें)

6.जन्मदिवसस्य कार्डं रचयित्वा तस्योपरि निज मित्रस्य विषये संस्कृते पञ्च वाक्यानि लिखत| (जन्म दिन का कार्ड बनाकर उसके ऊपर अपने मित्र के बारे में संस्कृत में पांच वाक्य लिखिए)

Instructions for Submission:

Use Homework notes for solving and don't write solutions from the google/internet.

Submission Date: First day after summer vacation.

All work must be handwritten.

Marks will be awarded for neatness, completeness, and creativity.

If any question is not clear, students can leave that question or ask me on WhatsApp.

VERY VERY IMPORTANT :

Learn all the square till 25

learn all the cubes till 12

learn all the tables till 25

Find quick ways to calculate these products:

(a) 2 × 1768 × 50

(b) 72 × 125 [Hint: 125 = 1000 8]

(c) 125 × 40 × 8 × 25

Calculate these products quickly.

(a) 25 × 12 = _____

(b) 25 × 240 = _____

(c) 250 × 120 = _____

Find the values of the following expressions by writing the terms in each case.

(a) 28 – 7 + 8

(b) 39 – 2 × 6 + 11

(c) 40 – 10 + 10 + 10

Make a place value table similar to the one above. Write each quantity in decimal form and in terms of place value, and read the number:

(a) 2 ones, 3 tenths and 5 hundredths

(b) 1 ten and 5 tenths

(c) 4 ones and 6 hundredths

Add the expressions given below:

(a) 4d – 7c + 9 and 8c – 11 + 9d

(b) – 6f + 19 – 8s and – 23 + 13f + 12s

(c) 8d – 14c + 9 and 16c – (11 + 9d)

(d) 6f – 20 + 8s and 23 – 13f – 12s

Create word problems from real life situations and express those using algebraic expressions.

Create a board game where moving forward or backward depends on adding or subtracting integers.

Create a weekly grocery list , calculate the total cost, apply discounts and show savings.

CLASS 8 HOLIDAY HOMEWORK ARTIFICIAL INTELLIGENCE

A. Fill in the Blanks:

1. AI stands for _____.

2. The term Artificial Intelligence was coined by _____.

3. AI systems try to mimic _____ intelligence.

4. _____ is an example of AI used in daily life.

5. The ability of a machine to learn from experience is called _____.

B. Answer the Following Questions:

1. What is **Artificial Intelligence (AI)**? Explain in your own words.

2. List any **3 real-life applications** of AI that you have seen or heard about.

3. Differentiate between **Artificial Intelligence** and **Human Intelligence**.

C. Creative & Practical Work:

1. **Poster Making:**

    o Design a colorful poster on the topic **"AI in Our Daily Life"** showing at least 5 uses of AI (e.g., Virtual Assistants, Smart Cars).

2. **Scrapbook Activity:**

    o Paste pictures of **5 AI tools or applications** and write 1–2 lines about how each one works.

3. **Research & Write (5–7 lines each):**

    o a) Who is known as the Father of Artificial Intelligence?

    o b) What is the role of AI in **education or healthcare**?

D. Fun & Exploration (Optional but Encouraged!):

*   Try using a simple **AI-based tool** (like Google Assistant, ChatGPT, or a translation app) and write a short paragraph about your experience.

E. Instructions:

*   Complete all tasks in your Computer notebook.

*   Decorate your work neatly and creatively.

*   Submit the homework on the first day after holidays.

F. Note for Parents:

Kindly motivate your child to explore the world of AI safely and help them understand how AI is shaping the future.

PM SHRI KENDRIYA VIDYALAYA NO.1 TEZPUR

HOLIDAY HOMEWORK OF SUMMER VACATION

CLASS VII

A. Subject-MATHS
1. Write tables from 2 to 25 and learn them.
2. SOLVE THESE

1.When the integers 10, 0, 5, – 5, – 7 are arranged in descending or ascending order, them find out which of the following integers always remains in the middle of the arrangement.

(a)   0   (b)   5   (c) – 7   (d) – 5

2.By observing the number line (Fig. 1.2), state which of the following statements is not true.
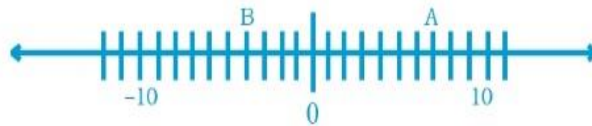
Fig. 1.2

(a)B is greater than –10

(b) A is greater than 0

(c) B is greater than A

(d) B is smaller than 0

3.By observing the above number line (Fig. 1.2), state which of the following statements is true.

(a)B is 2   (b) A is – 4

(c) B is –13   (d) B is – 4

 4.Next three consecutive numbers in the pattern 11, 8, 5, 2, --, --, -are

(a)0, – 3, – 6   (b) – 1, – 5, – 8

(c) – 2, – 5, – 8 (d) – 1, – 4, – 7

5.The next number in the pattern – 62, – 37, – 12 _____ is(a) 25   (b)13   (c) 0   (d) –13

6. According to the 2011 Census, the population of the town of Chintamani was about 75,000. How much less than one lakh is 75,000?

7. The estimated population of Chintamani in the year 2024 is 1,06,000. How much more than one lakh is 1,06,000?

8. By how much did the population of Chintamani increase from 2011 to 2024?

9.On the following number line value 'Zero' is shown by the point

(a)   X   (b) Y   (c) Z   (d) W

10.If ⊗, O, and • represent some integers on number line, then descending order of these numbers is
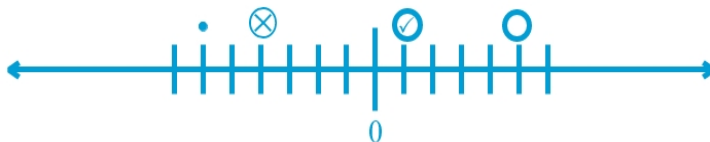
11. Compare and write '<', '> or =":

(a) 30 thousand_____ 3 lakhs

(b) 500 lakhs _____5 million

(c) 800 thousand _____8 million

(d) 640 crore _____60 billion

12.Water level in a well was 20m below ground level. During rainy season, rain water collected in different water tanks was drained
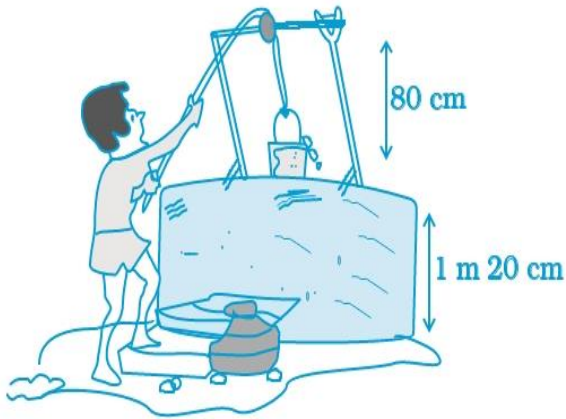
into the well and the water level rises 5 m above the previous level. The wall of the well is 1m 20 cm high and a pulley is fixed at a height of 80 cm. Raghu wants to draw water from the well. The minimum length of the rope that he can use is

(a) 17 m   (b) 18 m

(c) 96 m   (d)   97 m

 12

13.(− 10) × (− 5) + (− 7) is equal to

(a) – 57   (b)57

(c) – 43   (d) 43

14.Solve

(a)(– 8) × [(– 3) × (– 4)]

(b) [(– 8) × (– 4)] × (– 3)

(c) [(– 3) × (– 8)] × (– 4)

(d) (– 8) × (– 3) – (– 8) × (– 4)

15.Which of the following represents 1/3 of 1/6?

(a) (1/3) + (1/6)

(b) (1/3) – (1/6)

(c) (1/3) × (1/6)

(d) (1/3) ÷ (⅙)

16.(− 43) × (− 99) + 43 is equal to

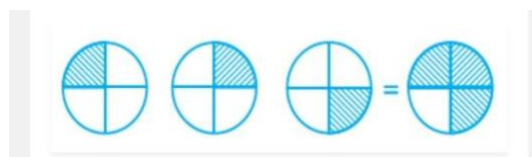(a)   4300   (b)   − 4300 (c) 4257   (d) − 4214

17.The product of 0.03 × 0.9 is:

(a) 2.7 (b) 0.27 (c) 0.027 (d) 0.0027

22.Which of the following is different from the others?

(a)20 + (−25)   (b) (− 37) − (− 32)

(c) (− 5) × (−1)   (d) (45) ÷ (− 9)

18.The picture

Interprets

(a) ¼ ÷ 3 (b) 3 × ¼ (c) ¾ × 3 (d) 3 ÷ ¼

19.For a non-zero integer a which of the following is not defined?

(a)a ÷ 0 (b) 0 ÷ a

(c) a ÷ 1   (d) 1 ÷ a

20.Find

11 × 11 =

111 × 111 =

1111 × 1111 =

B.Subject :Science

1. Write MDP: Animal around us

1) Types of animals and their Nutrition

II) Animal's habitat and their adaptation

2. Write Learner's diary

3. Visit any nearby National park or Zoo or Museum. Write a report on flora and fauna. Stick

photos in the report.

4.Complete the activity of page 9:TABLE 2.1. Testing the nature of samples with blue and red litmus papers.

5. How to prepare lime water?

6. Make a working toy project.

7. Write 5 problems from your surrounding and suggest Scientific solutions & low cost

C. Subject: Social science

A.Multi Disciplinary Project

● Do it in scrap book in beautiful handwriting with creativity.

• Paste related pictures, maps and decorate decently.

● Project will be done by individual students not in group.

Topics of project: Food Preservation

* Meaning of food preservation

* Importance of food Preservation

* Different methods of preserving the food (A. According to season

                                        B. According to different areas)

B.Make a colourful poster showing festivals in India linked to farming and weather (e.g., Baisakhi, Onam). Add pictures or drawings of these festivals.

D.Subject: English

1. Book Reading Exercise

Assignment

1. Read the Book: Read any book of your favourite writer during the holidays.

2. Book Review: Write a book review (approx. 200-250 words) including:

   - Brief summary

   - Favorite character(s) and reason(s)

   - Themes or messages

   - Personal opinion

3. Creative Project: Choose one of the following creative projects:

- Book cover design

- Character sketch

- Short story inspired by the book

- Book trailer or video review

Submission Guidelines

1. Deadline: Submit the book review and creative project on the designated date after the holidays.

2. Format: Ensure the book review is well-written, and the creative project is neatly presented.

3. Originality: Ensure the work is original and reflects your understanding of the book.

2. Writing Exercises- Story Writing Exercise

Theme: Choose one of the following themes-

1. Adventure: Write a story about a thrilling adventure or journey.

2. Friendship: Explore the bond between friends in a heartwarming story.

3. Imagination: Unleash your creativity and write a story about a fantastical world or situation.

4. Overcoming Challenges: Write a story about a character that faces and overcomes obstacles.

Guidelines:

1. Word Limit: Write a story within the 200-300 word limits.

2. Originality: Ensure the story is original and reflects your creativity.

3. Plot: Develop a clear plot with a beginning, middle, and end.

4. Characters: Create well-defined characters with distinct personalities.

Submission Guidelines:

1. Deadline: Submit the story on the designated date after the holidays.

2. Format: Ensure the story is well-written, and the formatting is neat.

3. Title: Give your story a captivating title.

3. Grammar and Vocabulary

Noun Worksheet

Part 1: Identify the Nouns

Read the following passage and identify the nouns:

"The phenomenon of climate change is a pressing global issue. The consequences of rising temperatures and melting ice caps are far-reaching. Scientists and policymakers are working together to find sustainable solutions."

Nouns: _____

Part 2: Types of Nouns

Identify the type of noun (common, proper, collective, abstract, or concrete) for each of the following:

1. Phenomenon _____

2. Teamwork _____

3. Freedom _____

4. Amazon River _____

5. Furniture _____

Part 3: Countable and Uncountable Nouns

Identify whether the following nouns are countable or uncountable:

1. Research _____

2. Cloud _____

3. Information _____

4. Mountain _____

5. Traffic _____

Part 4: Noun Formation

Form nouns from the following verbs:

1. Create _____

2. Decide _____

3. Explore _____

4. Imagine _____

5. Discuss _____

Part 5: Sentence Completion

Complete the following sentences with the correct form of the noun:

1. The _____ (criterion/criteria) for selection are strict.

2. The _____ (medium/media) plays a significant role in shaping public opinion.

3. The _____ (emphasis/emphases) on sustainable practices is increasing.

E. Subject: Hindi

 1. 'मां कह एक कहानी ' कविता को याद करें ।

2. तीन बुद्धिमान एवं उसके बाद के दो अन्य पाठ को पूरा पढ़ें एवं इन पाठों से 10 कठिन शब्द छाट कर कॉपी में लिखें।

3. पांच पहेलियां कॉपी में लिखें

4. आपकी कक्षा के दो पंखे खराब है अपने प्राचार्य जी को पंखे सुधरवाने के लिए औपचारिक पत्र लिखें ।

5. पुस्तक से पांच कविताएं याद करें

6. पुस्तक की सभी कहानी पढ़ें एवं 5 -5 कठिन शब्द हर पाठ से लिखें

7. नैतिक शिक्षा से संबंधित पांच विचार लिखे, जो प्रार्थना सभा के लिए भी उपयोग किए जा सके।

8. 1 से 100 तक गिनती मानक हिंदी में लिखें

F. Subject: Sanskrit

1 .निम्नलिखित धातुनां रूपाणि लट्,लृट् लोट् , लङ्लकारेषु च लिखत कंठस्थ च कुरु – चर्, दृश् (चर व दृश धातु के लट्,लृट् लोट् व लङ् लकार लिखें व याद करें)

2. एकत: पञ्चाशत् पर्यन्तं (1 से 50) संस्कृते संख्यावाचक शब्दं लिखत | (एक से पचास तक संस्कृत में गिनती लिखिए)

3. प्रतिदिनं एक: नूतन संस्कृत शब्दा: निज संस्कृत पुस्तकात चित्वा शब्दकोषे अर्थ सहितं लिखत कंठस्थ च कुरु | (प्रतिदिन एक नया संस्कृत शब्द अर्थ सहित अपनी पुस्तक से चुनकर डिक्सनरी (शब्दकोष) में लिखिए व याद कीजिए)

4. संस्कृते प्रथम, मध्यम, उत्तम च पुरुषस्य सर्वनाम पदम् लिखत कंठस्थ च कुरु| (संस्कृत में प्रथम मध्यम व उत्तम पुरुष के सर्वनाम लिखों और याद करों)

5. संस्कृते दश वाक्यानि लिखत हिंदी भाषायाम च अनुवादं कुरुत | (संस्कृत में कोई दस वाक्य लिखें व उनका हिंदी में अनुवाद करें)

6. पञ्चवाक्येषु संस्कृतभाषायां स्वपरिचयं लिखत?

   (स्वयं का परिचय लिखिए 5 वाक्यों में संस्कृत में)

G. Subject: Computer science

A. Fill in the Blanks:

1. A _____ is a program that damages computer systems.
2. _____ is used to protect computers from viruses.
3. A secret word or phrase used to access a computer is called a _____.
4. _____ is an unwanted email that is sent in bulk.
5. _____ is a crime where personal data is stolen online.

B. Answer the Following Questions:

1. What do you understand by the term Computer Security? Why is it important?

2. What is a virus? Name any two antivirus software.
3. Explain the difference between Hacking and Cracking.
4. What are Strong Passwords? Write 3 tips to create a strong password.
5. What do you mean by Cyber Safety? List any 3 safety tips while using the internet.

C. Practical/Creative Tasks:

1. Poster Making:
 Design a colourful poster on "Ways to Stay Safe Online".

2. Scrapbook Work:
Paste pictures of 5 cyber security tools/software and write 1-2 lines about each.

D. Fun Task (Optional but Encouraged!):

• Create a Crossword Puzzle with 8 computer security-related words (e.g., Firewall, Virus, Password, Malware).

E. Instructions:

• Complete all tasks in your Computer notebook.
• Decorate your work neatly and creatively.
• Submit the homework on the first day after holidays.

F. Note for Parents:

Please encourage your child to complete the homework on their own and discuss the importance of being safe online

विद्यालय 18 जून को खुलेगा आपकी छुट्टियां आनंदपूर्वक बिताएं।