"Summer Vacation Homework 2025: Learning Beyond the Classroom"

SESSION-2025-2026

GRADE-8th

"A little fun, a little sun, and just a pinch of homework—your summer recipe!"

Dear Students and Parents,

As the summer holidays approach, we encourage students to make the most of this valuable time. Here are some suggestions to help students stay productive, engaged, and refreshed during the break:

1. Reading: Cultivate a reading habit by exploring a variety of books and newspapers. Whether it's fiction, non-fiction, or educational material, reading enhances vocabulary, knowledge, and imagination.

2. Skill Development: Use this time to learn a new skill or hobby. This could include playing a musical instrument, cooking, painting, or learning a new language. Online courses , internships and workshops are excellent resources for this purpose.

3. Physical Activity: Stay active by engaging in sports, yoga, or simple exercises. Physical activity is crucial for maintaining health and can be a fun way to spend time with family and friends.

4. Volunteering: Consider volunteering for community service. This not only helps others but also provides a sense of fulfillment and teaches valuable life skills.

5. Educational Trips: Plan educational trips to museums, historical sites, or natural parks. These outings can be both enjoyable and informative.

6. Time Management: Balance leisure with productive activities. Creating a daily schedule can help manage time effectively and ensure that each day is spent meaningfully.

7. Project Work: Start working on school projects or personal projects that interest you. This could be a science experiment, a writing project, or a DIY craft.

8. Family Time: Spend quality time with family. Engage in activities like board games, cooking together, or having meaningful conversations.

We hope these suggestions will help students utilize their summer holidays effectively, ensuring a balance of rest, learning, and fun.

Wishing everyone a safe, enjoyable, and productive summer break!

◆◆ HOLIDAY HOMEWORK ◆◆
"Summer is the perfect time to explore, dream, and discover new wonders."
ENGLISH

"Hope is the thing with feathers that perches in the soul."- Emily Dickinson

Theme: "Explore, Imagine, Express!" Task 1: **Book Snapshot**s

Read any English storybook or novel of your choice. Then, do the following:Write a summary of the story in your own words. (150–200 words)Illustrate or describe your favorite scene.

Task 2: **Creative Writing Menu**

Choose any two of the following:

1. Write a short story that begins with: "It was a rainy evening when I found a strange box at my doorstep…"

2. Compose a poem on the theme "Freedom" or "Nature."

3. write a diary entry in about 100–150 words. Start with Dear Diary, and express your feelings, thoughts, and experiences in a personal tone.

1. A Memorable Day at School:
Write about a school event or day that you'll never forget. What happened? How did you feel?
2. A Time You Overcame a Fear:
Describe a moment when you faced something that scared you and how you dealt with it.

Task 3: **Grammar in Action**
Make tenses poster with colour ful pens.

Task 4: **Word Wizard**
Collect 10 new English words you learned during the holidays.For each word, write at least two synonym or antonym for each word.

WORKSHEET

Theme: "Tense Adventures!"

Part A: The Time-Travel Tale

Instructions: Fill in the blanks with the correct tense form of the verbs in brackets.

Yesterday, I _____ (walk) through the forest when I suddenly _____ (see) a glowing portal. Without thinking, I _____ (step) inside and instantly _____ (find) myself in the year 2100. Flying cars _____ (zoom) above me, and robots _____

(serve) ice cream! I _____ (never/think) I would see such a thing. Just as I _____ (start) to enjoy it, the portal _____ (appear) again, and I _____ (return) to my own time.

Part B: Tense Transformers

Instructions: Rewrite the sentences in the tense given in brackets.
1. He plays the piano. (Past Continuous)
2. They went to the beach. (Future Simple)
3. She will go to the market. (Change to Present Continuous)
4. He is reading a book. (Change to Present Perfect)
5. We ate dinner early. (Change to Future Continuous)
6. The dog barks loudly. (Change to Past Continuous)
7. I have finished my homework. (Change to Past Simple)
8. She will visit her grandma. (Change to Present Perfect)
9. We are singing a song. (Change to Past Simple)
10. He studied for the exam. (Change to Present

Part C: Fill in the blanks with suitable determiners

1. I bought _____ apples from the market. (some/much)
2. There isn't _____ water in the bottle. (any/many)
3. _____ student in the class passed the exam. (Each/All)
4. We saw _____ elephant at the zoo. (a/an)
5. _____ sun rises in the east. (The/A)

Part D: Choose the correct determiner

1. (Much/Many) people attended the concert.
2. Do you have (some/any) sugar?
3. (This/These) book belongs to Ravi.
4. (Every/All) child was given a prize.
5. There are (few/little) eggs in the basket.

Part C: Rewrite the sentences using correct determiners
1. She has any friends.
2. I need a information.
3. These kind of flowers are rare.
4. He doesn't have much pencils.
5. An sun is shining brightly.

Part E: Creative Writing with Determiners
Write 5–6 sentences describing your classroom using at least 5 different determiners .

MATHEMATICS

"The only way to learn mathematics is to do mathematics." – Paul Halmos

   I.   **Make a Project on ' Math Park '**

Or

Students with odd roll numbers will conduct a survey by asking 18 people about their favourite anime character and represent the data by creating a 3D Bar Graph. Students with even roll numbers will use the same survey data to create a Pie Chart showing the percentage of votes for each character. Paste a

picture of each anime character on the bars or pie slices to make your graphs colorful and engaging. Use chart paper, colors, and neat labels to present your work clearly.

<div align="center">Or</div>

Make a Poster on " Mathematics in daily life "

II.   Activity -Using paper cups, build a triangular number pattern by stacking the cups in rows—1 cup in the top row, 2 cups in the second row, 3 cups in the third row, and so on, like making a cup castle. Create the first 5 triangular numbers this way (1, 3, 6, 10, 15 cups). Take a clear photo with you and your cup triangle and paste it on your lab manual.

III.   Foreign Language Exercise: Write the numbers from 1 to 20 in a foreign language of your choice on your lab manual. Please choose a language that interests you and is accessible for research. This exercise will help you practice language skills and broaden your understanding of different cultures.

IV.   Revise Ch 1 Rational Numbers
        Ch 4 Data Handling
        Ch 5 Square and Square Roots

V.   Complete the following Worksheets

<div align="center">Worksheet - 1</div>

Do the work on loose sheets & in a serial order

1. Square of 21 i.e (21) ^{2}

    a) 841   b) 441   c) 961   d) 1024

2. Which of the following cannot be last digit of perfect square
    a) 7   b) 1   c) 4   d) 6

3. What will be the value of 'x' in Pythagoras triplet (3,4,x) ?

    a) 13   b) 5   c) 10   d) 25

4. Which of the following is not a perfect cube ?

    a) 12   b) 8   c) 27   d) 64

5. Out of 60 students in a class,40% are boys . The number of boys is .

    a) 24   b) 32   c) 42   d) 36

6.   The rational number that is equal to its negative is _____

    a) 0   b) 2   c) 3   d) 4

7. The denominator of rational number 7 is

    a) 2   b) 7   c) 1   d) 3

8. The Additive Identity for rational numbers is

    a) 3   b) 4   c) 2   d) 0

9. When a single coin is tossed , the P (Head)

    a) 0.4   b) 0.6   c) 0.7   d) 0.5

10. The probability of an impossible event is

    a) 0   b) 6   c) 7   d) 5

11. Assertion: From the word " KINOSUKE", P(selecting a vowel) $= \frac{1}{2}$

    Reason: There is only one vowel in the word " KINOSUKE "

12. Assertion: If a, b are rational numbers then $a + b = b + a$

    Reason: The addition of two rational numbers is Commutative.

        Choices.

    a) Both A and R are true and R is the correct explanation of A.

    b) Both A and R are true but R is not the correct explanation of A.

    c) A is true but R is false.
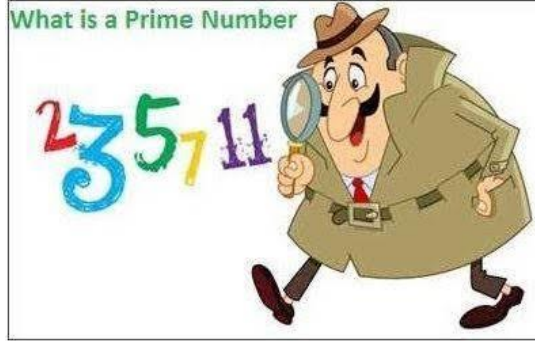
    d) A is false but R is true

Worksheet - 2

1) Define rational numbers & Write the rational numbers that are equal to their reciprocals.

2) In a family of two children , list the total outcomes & find the probability of atleast one child being a girl.

3) Find the sum of additive inverse and multiplicative inverse of 7

4) Solve using the suitable property . Also name the property

$$\left[\left(\frac{1}{5} \times \frac{1}{4} \right) + \left(\frac{1}{5} \times 7 \right) \right]$$

5) Find the Pythagorean triplet whose one member is 12

6) Find the cube root of 1728 by prime factorisation method

7) A gardener has 1015 plants. He wants to plant these in such a way that the number of rows and the number of columns remain same . Find the minimum number of plants he needs more for this

8) During a drill exercise , 787 students were arranged in rows such that number of students in each row was equal to the number of rows. How many students would have been left out in such arrangement

9) Draw a Pie Chart of the time spent by a child during a day

Activity	Sleep	School	Homework	Play	Others
No. of hours	8	6	2	4	4

10)   Case study –

Prime numbers between 1 and 20 are written on identical slips , put in a box and mixed well. If a slip is drawn at random .

i. Total number of outcomes in above case is _____.
ii. Find the probability of getting an even number.
iii. Find the probability of getting an odd number.
iv. If Prime numbers between 1 and 30 are written on identical slips then find the probability of getting an even number.

PUNJABI

ਮੈਂ ਰਾਹਾਂ ਤੇ ਨਹੀਂ ਤੁਰਦਾ, ਮੈਂ ਤੁਰਦਾ ਹਾਂ ਤਾਂ ਰਾਹ ਬਣਦੇ ,ਯੁਗਾਂ ਤੋਂ ਕਾਫ਼ਲੇ ਆਉਂਦੇ, ਇਸੇ ਸੱਚ ਦੇ ਗਵਾਹ ਬਣਦੇ–ਸੁਰਜੀਤ ਪਾਤਰ

★ ਸਾਈਕਲ ਦੀ ਤਸਵੀਰ ਲਗਾ ਕੇ ਉਸਦੇ ਮਹੱਤਵ ਨੂੰ ਦਰਸਾਓ ਤੇ ਸਾਡੀ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਇਹ ਕਿੰਨਾ ਤੇ ਕਿਉਂ ਜ਼ਰੂਰੀ ਹੈ?ਬਾਰੇ ਨੋਟ ਲਿਖੋ।

★ਵਿਦਿਆਰਥੀ ਸੰਪੂਰ ਆਪ੍ਰੇਸ਼ਨ ਨਾਲ ਸੰਬੰਧਿਤ ਕੋਈ 10 ਖਬਰਾਂ ਨੂੰ ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ ਤੇ ਲਿਖ ਕੇ ਤਸਵੀਰਾਂ ਸਮੇਤ ਲਗਾਉਣਗੇ।

★ਕੋਈ 20 ਸ਼ਬਦਾਵਲੀ ਦੇ ਸ਼ਬਦ ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਕਾਪੀ ਤੇ ਲਿਖ ਕੇ ਲਿਆਉਣਗੇ ਅਤੇ ਯਾਦ ਵੀ ਕਰਕੇ ਆਉਣਗੇ ।

ਦਿੱਤਾ ਗਿਆ ਸਾਰਾ ਕੰਮ ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ ਤੇ ਕਰਨਗੇ।

HINDI

मुझे तोड़ लेना बनमाली, उस पथ पर देना तुम फेंक, मातृ-भूमि पर शीश-चढ़ाने, जिस पथ पर जावें वीर अनेक -माखनलाल चतुर्वेदी

1.पुस्तक पठन एवं समीक्षा:
कोई एक हिंदी पुस्तक पढ़ें (जैसे - "पंचतंत्र की कहानियाँ", "अकबर-बीरबल की कहानियाँ" या "चंपक" जैसी पत्रिकाएं)।
पुस्तक पढ़ने के बाद उसकी समीक्षा लिखें:
पुस्तक का नाम -

लेखक का नाम -

मुख्य पात्र -

कहानी का सारांश -

आपको यह क्यों पसंद आई/नहीं आई? -

2.अनुच्छेद लेखन: (लगभग १००-१२० शब्द)

समाचार पत्र (तत्कालीन समाचारों के चित्र लगाकर)

3.पत्र लेखन:

अपनी दादी/नानी को पत्र लिखें और बताएं कि आप छुट्टियों में क्या-क्या कर रहे हैं।

4.रचनात्मक लेखन:

"यदि मैं पक्षी होता..."/यदि मैं हिंदी अध्यापक होता। विषय पर अपने विचार लिखिए। (चित्र सहित)

5.शब्द भंडार बढ़ाओ:

छुट्टियों के दौरान नए सीखे गए कम से कम 10 कठिन हिंदी शब्द लिखें और उनके अर्थ भी लिखें। (प्रत्येक शब्द का एक वाक्य में प्रयोग करें।)

Worksheet

 निम्नलिखित गद्यांश पर आधारित नीचे दिए गए प्रश्नों के उपयुक्त उत्तर लिखिए -

जब रियासत देवगढ़ के दीवान सुजान सिंह वृद्ध हुए, तो उन्हें परामर्श की याद आई। जाकर महाराज से उन्होंने निवेदन किया– "महाराज! मैं शरीर तोड़ सेवा चालीस साल तक की। अब कुछ दिन परामर्श की भी सेवा करने की आज्ञा चाहता हूँ।" वृद्धावस्था ने उन्हें अशक्त बना दिया था। अब वह पहले जैसा कार्य करने में सक्षम नहीं रहे थे। राजा साहब अपने अनुभवी और नीतिकुशल दीवान को बहुत मानते थे। उन्होंने सुजान सिंह का निवेदन स्वीकार कर लिया। लेकिन अब नया दीवान नियुक्त करना आवश्यक हो गया।

राजा ने देश के प्रसिद्ध विद्वानों को निमंत्रण भेजा कि वे दीवान पद के लिए उपस्थित हों। राजा ने स्पष्ट किया कि इस परीक्षा में उम्मीदवारों के रहन-सहन, आचार-विचार, व्यवहार और नैतिकता की परख की जाएगी। जो इस परीक्षा में सफल होंगे, वे ही इस उच्च पद पर सुशोभित होंगे।

(क). दीवान सुजान सिंह ने राजा से क्या निवेदन किया ?

(ख). इस परीक्षा में किन गुणों की परख की जानी थी ?

(ग). राजा साहब सुजान सिंह को क्यों मानते थे ?

(घ).राजा ने दीवान पद के लिए क्या व्यवस्था की ?

(ङ). **कथन** : दीवान बनने के लिए केवल विद्या ही पर्याप्त नहीं थी।

 कारण : रहन-सहन और आचार-विचार की भी परख की जानी थी।

क) कथन (A) तथा कारण (R) और दोनों गलत है।

ख) कथन (A) सही है, किंतु कारण (R) उसकी सही व्याख्या करता है ।

ग) कथन (A) गलत है, तथा कारण (R) सही है।

घ) कथन (A) सही है, किंतु कारण (R) उसकी सही व्याख्या नहीं करता है ।

7. वर्ण विच्छेद कीजिए -

(क) विद्यालय

(ख) पुस्तकालय

(ग) बालक

(घ) विद्यार्थी

(ङ) भारत

SCIENCE

"Science is a way of thinking much more than it is a body of knowledge." – Carl Sagan

Section A: Multiple Choice Questions (MCQs)

Which one of the following practices helps in replenishing soil fertility?
a) Ploughing
b) Harvesting
c) Crop rotation
d) Irrigation

Rhizobium bacteria help in:
a) Photosynthesis
b) Nitrogen fixation
c) Fermentation
d) Decomposition

Which is an example of fossil fuel?
a) Biogas
b) Kerosene
c) Solar energy
d) Electricity

Which type of microorganism is used in the production of alcohol?
a) Bacteria
b) Virus
c) Algae
d) Yeast

The SI unit of pressure is:
a) Pascal
b) Newton
c) Joule
d) Watt

Which of the following is not a step in crop production?
a) Irrigation
b) Harvesting
c) Fermentation
d) Sowing

Coal is formed from:
a) Dead animals
b) Dead plants

c) Minerals
d) Sand

Which of the following statements is false?
a) Microorganisms can be seen with the naked eye.
b) Some microorganisms are useful to humans.
c) Microorganisms are found in soil, air, and water.
d) Yeast is a fungus.

Which gas exerts pressure in all directions?
a) Oxygen
b) Hydrogen
c) Air
d) Carbon dioxide

Which of the following is a natural pressure measuring instrument?
a) Spring balance
b) Thermometer
c) Barometer
d) Ammeter

Section B: Assertion-Reason Questions

(Choose: a) Both A and R are true, and R is the correct explanation of A
b) Both A and R are true, but R is not the correct explanation of A
c) A is true, R is false
d) A is false, R is true)

A: Crop rotation helps in maintaining soil fertility.
R: It allows the same nutrients to be used again and again.

A: Yeast is used in baking industry.
R: Yeast produces carbon dioxide during respiration.

A: Petroleum is an inexhaustible resource.
R: It is formed from dead remains of organisms over millions of years.

A: Pressure exerted by a liquid increases with depth.
R: Liquid pressure is independent of depth.

A: Bacteria can live in extreme environments.
R: Bacteria form spores in harsh conditions.

A: Insecticides are used to remove weeds.
R: Insecticides kill insects harming crops.

A: Pasteurization kills all microbes in milk.
R: Pasteurization involves cooling milk below 0°C.

A: Coal is used in thermal power plants.
R: Coal burns to produce heat energy.

A: A sharp knife cuts better than a blunt knife.
R: Pressure is inversely proportional to area.

A: Balanced diet improves crop yield.
R: Crops do not require nutrients like humans.

Section C: Competency-Based Questions

1.Ravi noticed that crops in his field were getting destroyed by insects. What method should he use to protect them, and why?

2.An old coal mine was discovered in a village. Students were asked to explain the formation of coal. Write an explanation suitable for Grade 8.

3.A sealed can with air inside is placed under water and gets crushed. Explain why this happens using the concept of pressure.

4.Rani's family used yeast to make idli batter rise. How does yeast help in this process?

5.A farmer uses nitrogen fertilizers continuously. What long-term effect might this have on the soil

6.An oil spill happened in a water body. Which type of microorganisms can be useful for cleaning it, and how?

7.A student is confused between bacteria and viruses. Help differentiate between them with at least two points.

8.During an experiment, Raju observed that water flows faster from the bottom hole of a bottle than from the top. Explain why.

9.Why is it advised not to touch electrical appliances with wet hands, especially when your feet are on the ground?

10.Why do we store pickles in oil and salt? How does it help in preservation?

Section D: HOTS (Higher Order Thinking Skills)

1.Why is crop rotation considered an eco-friendly farming practice?

2.If microorganisms are harmful, why do we use them in food and medicine?

3.Petroleum is limited. Suggest three ways to reduce its usage in daily life.

4.How does pressure help deep-sea divers understand the challenges of underwater exploration?

5.Can microorganisms be both friends and foes? Justify with examples.

6.How is coal both a blessing and a threat to the environment?

7.A balloon bursts when pressed too hard. Explain using the concept of pressure.

8.Why is threshing done before winnowing in harvesting?

9.Why are methane-producing bacteria important for biogas plants?

10.How can you demonstrate that air exerts pressure using simple household materials?

SCIENCE PROJECT:-

Sprinkler and Drip Irrigation System (ROLLNO 1-8)

Hydraulic Lift Using Syringes(9-16)

3D Microorganism Gallery (Static Model)(16-23)

Nitrogen Cycle with Rhizobium Bacteria (Interactive Model)(23-34)

SUBJECT ENRICHEMENT ACTIVITY :-

Write a brief report on:

Why fossil fuels are called **non-renewable**

The **advantages and disadvantages** of using coal and petroleum

How you can **help reduce their usage** in daily life (Draw diagrams or paste pictures to make creative)

ART INTEGRATED ACTIVITY: "Save Fossil Fuels – Save the Future"

• **Make a creative and informative poster** on an A3 or chart paper to Express the importance, uses, and conservation of fossil fuels like coal and petroleum, and understand their environmental impact.

SOCIAL SCIENCE
**"The greatest threat to our planet is the belief that someone else will save it."
– Robert Swan**

Project Title: "My Resource Diary"

Idea: Make a personal diary-style project where each page shows how you use different types of resources in your daily life (like water, electricity, school books, internet, etc.).

Creative Element: Use drawings, small cutouts, and reflections (e.g., "How can I save more water?").

Impressive Touch: Add suggestions for resource conservation at home and school.

Geography Worksheet

1. Which of the following is not a major factor of soil formation?

A) Time

B) Climate

C) Population

D) Relief

2. Which type of soil is best suited for growing cotton?

A) Black soil

B) Alluvial soil

C) Red soil

D) Desert soil

3. Which of the following is not a method of soil conservation?

A) Terrace farming

B) Deforestation

C) Contour ploughing

D) Shelter belts

4. What percentage of the total land area is actually available for agriculture globally?

A) 10%

B) 30%

C) 50%

D) 60%

5. Which irrigation method is considered most water-efficient?

A) Sprinkler irrigation

B) Drip irrigation

C) Canal irrigation

D) Traditional flooding

6. Which of the following human activities leads to land degradation?

A) Reforestation

B) Terrace farming

C) Overgrazing

D) Organic farming

7. Which of these is not a cause of water scarcity?

A) Overuse

B) Pollution

C) Uneven distribution

D) Rainwater harvesting

8. Which one of the following practices can conserve water?

A) Excessive irrigation

B) Use of water sprinklers during noon

C) Rainwater harvesting

D) Deforestation

9. Which of the following is a natural cause of land degradation?

A) Mining

B) Earthquake

C) Over-irrigation

D) Deforestation

10. What is the main reason for the uneven distribution of population on land?

A) Equal access to water

B) Similar climatic conditions

C) Availability of resources

D) Similar soil type

History Worksheet

Assertion and Reason Questions:

(Choose from: A. Both A and R are true, and R is the correct explanation of A; B. Both A and R are true, but R is not the correct explanation of A; C. A is true, but R is false; D. A is false, but R is true)

1. Assertion (A): The modern period in Indian history began with the decline of the Mughal Empire.

Reason ®: The East India Company established direct control over all parts of India in 1757.

2. Assertion (A): Official records maintained by the British help historians study the modern period.

Reason ®: The British preserved all their administrative documents carefully.

3. Assertion (A): The National Archives of India is an important source for studying the modern period.

Reason ®: It contains archaeological evidence from the Harappan Civilization.

4. Assertion (A): Historians consider the modern period to be the most well-documented in Indian history.

Reason ®: Printing press and paper were available during the modern period.

5. Assertion (A): Surveying was important to the British for administering India effectively.

Reason ®: Surveys helped them understand the cultural traditions of Indians.

Short Answer Type Questions:

1. What are the major sources used by historians to study the modern period in Indian history?
2. Why is James Mill's division of Indian history criticized by modern historians?

3. Mention any two surveys conducted by the British in India and their purposes.
4. What role did official records play in understanding British administration in India?
5. How did the introduction of the Printing press help in the spread of information during the modern period?

Civics Worksheet
Competency based questions:

1. Analyze how the Indian Constitution ensures equality for all citizens. Why is this important in a diverse country like India?

2. Compare the role of laws in a democratic country with that in a monarchy. How do laws protect the rights of individuals in a democracy.

HOTS

1. Why do you think the Preamble was placed at the beginning of the Indian Constitution? How does it reflect the ideals of the Constitution?

2. If the Constitution did not include the ideal of secularism, what kind of problems might arise in a diverse country like India?

3. Imagine you are part of the Constituent Assembly. What additional ideal would you propose for inclusion in the Preamble, and why?

COMPUTER

"We are changing the world with technology." – Bill Gates

1. Draw five types of computer networks and write a short paragraph for each network in MS Word.

2. Solve the provided worksheet in your computer notebook.

Submission Guidelines:

Send the soft copies of your document to the following **Email ID: Hemagandhi4@gmail.com**

Ensure that your submissions are neat, accurate, and creative**.**

Worksheet 1: Computer Networking

Section A: Two-Line Questions (8 Questions)

1. What is a computer network? List two advantages of using it.
2. Differentiate between LAN and WAN with examples.
3. Explain the term "client-server model." How does it work?
4. What is a communication protocol? Give an example.
5. What is a modem? Why is it important in networking?
6. Describe the function of a router in a network.
7. Define IP address. Why is it essential in networking?
8. What is the role of network topology? Name two types.

Section B: One-Word Questions (6 Questions)

1. What is the full form of LAN?
2. Which device connects multiple networks?
3. Name the most commonly used wireless communication protocol.
4. What is the smallest network unit called?
5. Write the full form of URL.
6. Which network topology uses a central hub?

Section C: Competency-Based Questions (6 Questions)

1. Rohan wants to transfer a large file from one computer to another in his office. Which network device would help him, and why?

2. A school network is connected within a single building. Which type of network is it? Explain.

3. Why do e-commerce websites require strong network security protocols?

4. Imagine you are setting up a home network. Which topology would you choose and why?

5. Meera is unable to access her email account due to an IP conflict. What might have caused this issue?

6. List two ways how networking has transformed to communication in modern times.

Worksheet 2: Krita - Image Editing

Section A: Two-Line Questions (8 Questions)
1. What is Krita used for? Mention two of its key features.
2. How can you create a new canvas in Krita?
3. Explain the function of the brush tool in Krita.
4. What is the purpose of layers in Krita?
5. Describe the process of saving an image in Krita.
6. What are filters in Krita? Name any two.
7. How can you undo a mistake while editing in Krita?
8. What is the purpose of the color wheel in Krita?

Section B: One-Word Questions (6 Questions)
1. Name the shortcut key to undo in Krita.
2. Which tool is used to draw straight lines?
3. What is the default file format in Krita?
4. Write the full form of RGB.
5. Name a tool used for selecting parts of an image.
6. Which feature allows you to zoom in and out of the canvas?

Section C: Competency-Based Questions (6 Questions)

1. Neha wants to draw a flower using different brushes. Which tool should she use and why?

2. Ramesh accidentally deleted a layer. What can he do to recover his work?

3. How can Krita be used to create digital artwork for school projects?

4. If you want to adjust the brightness of an image, which feature will you use in Krita?

5. Imagine you want to add text to an image. Explain the steps to achieve this in Krita.

6. Compare Krita to any other image editing software you know. Which one is better for beginners and why?

ART

Wishing you all a joyful and refreshing holiday! As you enjoy your well-deserved break, I encourage you to take some time to explore your creativity through a special Holiday Art & Craft Assignment. It's a great way to relax, express yourself, and try new techniques.

Here are some fun and creative project ideas for your holiday assignment:

1. Make Madhubani Or Rajasthani Art draw and colour on A3 sheet

2. Mandala Art – Draw and color a detailed mandala pattern using geometrical tools and bright colors.

3. Craft from Waste – Create something useful or decorative using waste materials at home (plastic bottles, newspapers, cardboard, etc.).

4. 3D Paper craft on INDEPENDENCE DAY

5. DIY Wall Hanging – Create a decorative wall hanging using threads, beads, buttons, or recycled fabric.

Instructions:

Choose any 2–3 ideas from the list or come up with your own unique project!
Try to use eco-friendly and recycled materials wherever possible.

Take clear pictures of your work or safely bring it to school after the holidays.

Label your artwork neatly with your name, class, and date.

I look forward to seeing your colorful imaginations come to life. Have a happy, safe, and artistic holiday!

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