

असतो मा सद्गमय, तमसो मा ज्योतिर्गमय ।।



Summer Vacation Assignment 2026

CLASS-VII

Summer VACATION

Summer's warmth descends upon the land,
School's out, and freedom's in hand.
Long days stretch, and sunshine bright,
A time for fun, for play, for delight.

So, let's bask in summer's golden glow,
And make the most of this break's sweet flow.
For summer vacation's a treasured time,
To relax, recharge, and shine!

NAME _____

ROLL NO. _____

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Dearest New Indians!

Greetings of the Day!

Happy Summer Learning!

As we move into the bright and cheerful days of summer, we are delighted to present activities that will keep your minds active and your creativity flowing. This **Summer Vacation Assignment** is a perfect blend of learning and fun, designed to strengthen your understanding of important concepts while encouraging you to discover new ideas and skills.

Use this vacation as an opportunity to explore, imagine, create, and grow. Complete your tasks with enthusiasm and enjoy every moment of learning. We look forward to welcoming you back to school refreshed, confident, and filled with wonderful experiences and knowledge.

SUPER PARENTS' SUMMER GUIDE

➤ **Create a quiet and comfortable study space for your child.**

Ensure that your child has a clean, well-lit, and distraction-free area to complete homework and assignments. Avoid television, loud music, or unnecessary interruptions during study time.

➤ **Keep all learning materials ready and organized.**

Make sure your child has easy access to notebooks, pencils, colours, scissors, glue, dictionaries, and other required materials. Preparing in advance helps children work independently and confidently.

➤ **Encourage a daily routine and proper time management.**

Set a fixed schedule for study, play, meals, and sleep. A balanced routine helps children stay disciplined and reduces stress during homework time.

➤ **Promote reading habits during the summer break.**

Encourage your child to read storybooks, newspapers, poems, or informative articles daily. Reading improves vocabulary, imagination, and communication skills.

➤ **Appreciate effort and encourage independent learning.**

Allow children to think, explore, and complete tasks on their own. Guide them whenever necessary, but encourage them to find solutions independently to build confidence and problem-solving skills.

➤ **Limit screen time and encourage creative activities.**

Reduce excessive use of mobile phones, television, and video games. Motivate children to engage in drawing, crafting, gardening, puzzles, music, yoga, and outdoor games.

➤ **Spend quality family time together.**

Talk to your child, listen to their ideas, and involve them in simple household activities. Positive family interactions help in emotional and social development.

➤ **Encourage healthy eating and physical fitness.**

Provide nutritious meals, seasonal fruits, and plenty of water during summer. Motivate your child to participate in physical activities, exercise, or yoga regularly.

➤ **Make learning fun and activity-based.**

Use everyday experiences such as cooking, shopping, travelling, or gardening as opportunities for learning maths, language, and life skills in an enjoyable manner.

➤ **Celebrate your child’s creativity and achievements.**

Display their artwork, appreciate their efforts, and motivate them to try new things. Positive encouragement builds self-esteem and enthusiasm for learning.

➤ **Stay positive and supportive throughout the holidays.**

Your attitude towards learning greatly influences your child. Encourage curiosity, patience, and a joyful approach towards completing holiday homework and activities.

Let’s Make the Most of this Summer Break!

❖ **Plant and Care for Nature**

Grow at least two plants and water them regularly. Observe their growth and learn the importance of caring for nature.

❖ **Lend a Helping Hand at Home**

Help your elders with simple daily chores like arranging your room, picking up toys, filling water bottles, watering plants, setting the table, and greeting everyone politely each morning.

❖ **Celebrate Special Moments with Family**

Make Father’s Day memorable by preparing a small surprise, serving your father his favourite breakfast, and creating a handmade greeting card with love.

❖ **Practice Speaking in English**

Try to communicate in English with your family and friends every day to improve your confidence and vocabulary.

❖ **Use the Five Magical Words Every Day**

Practice good manners by using words like *Excuse Me*, *May I*, *Sorry*, *Thank You*, and *Please* in your daily conversations.

❖ **Develop Healthy Habits**

Wake up early, eat healthy food, drink plenty of water, and include physical activities, yoga, or outdoor games in your routine.

❖ **Read, Imagine, and Explore**

Spend some time reading storybooks, comics, or poems to improve creativity and develop a love for reading.

ENGLISH

Q.1 Read the given paragraph and answer the following questions:

The Importance of Exercise

Exercise is an essential part of a healthy lifestyle. It helps keep our body fit and strong. Regular physical activity improves blood circulation, strengthens muscles and bones, and helps maintain a healthy weight. People of all ages can benefit from exercise, whether it is walking, cycling, swimming, or playing sports.

Exercise is not only good for physical health but also for mental well-being. It helps reduce stress, improves mood, and increases energy levels. Students who exercise regularly often find it easier to concentrate on their studies and perform better in school.

Moreover, exercise teaches discipline, teamwork, and perseverance. Participating in sports and fitness activities helps individuals develop confidence and social skills. It also encourages healthy habits that can last a lifetime.

In conclusion, regular exercise plays a vital role in maintaining both physical and mental health. Making exercise a part of daily life can lead to a happier and healthier future.

Based on the given paragraph, answer the following questions:

- (i) Why is exercise considered an essential part of a healthy lifestyle?
- (ii) How does exercise help improve mental well-being?
- (iii) Do you think students should exercise regularly? Give reasons for your answer.
- (iv) Which of the following is NOT mentioned as a benefit of exercise?
 - (a) Strengthens muscles and bones
 - (b) Improves mood
 - (c) Increases stress levels
 - (d) Helps maintain a healthy weight
- (v) According to the paragraph, exercise helps develop:
 - (a) Social skills
 - (b) Teamwork
 - (c) Discipline
 - (d) All of these
- (vi) Assertion: Regular exercise improves both physical and mental health.

Reason: Exercise helps reduce stress, improves mood, and strengthens the body.

- (a) Both Assertion and Reason are correct, and the Reason is the correct explanation of the Assertion.
- (b) Both Assertion and Reason are correct, but the Reason is not the correct explanation of the Assertion.

(c) Assertion is correct, but the Reason is incorrect.

(d) Both Assertion and Reason are incorrect.

(vii) In your opinion, what are some simple exercises that students can do daily to stay healthy? Explain your answer.

Q.2 TRAVELOGUE

Summer Vacation is the most awaited time for students to travel to different places and make memories that last a lifetime. Create a Travelogue (Photo Album) and pen down your experience.

a) Title Your Travelogue:

Choose a creative title that reflects your trip (e.g., Wonders of Rajasthan, My Journey to Goa, Chilling in Manali)

b) Introduction:

Briefly introduce where you went , when you travelled, and who accompanied you.

c) Photo Album Section:

Add 5-10 photographs from your trip.

Paste photos neatly or print them out and label them with short

d) Experience Sharing:

Write short paragraph describing your experience.

e) Presentation:

You may create your Travelogue in one of the following formats:

- Handmade Scrapbook with printed or drawn photos
- A Mini Booklet

Q.3 Supplementary Reader:

Read Chapter – 4 and 5 from ‘Sports Stories’.

हिंदी

(नीचे दी गई कार्य-पत्रिका को हिंदी कार्यपुस्तिका में लिखिए।)

प्र०1.अपठित गद्यांश को पढ़कर प्रश्नों के उत्तर दीजिए-

आज के आधुनिक युग में विज्ञान ने मानव जीवन को अत्यंत सरल और सुविधाजनक बना दिया है। यातायात, संचार, चिकित्सा और शिक्षा जैसे क्षेत्रों में विज्ञान के कारण अभूतपूर्व प्रगति हुई है। पहले जहाँ लोगों को एक स्थान से दूसरे स्थान तक पहुँचने में कई दिन लग जाते थे, वहीं अब आधुनिक साधनों की सहायता से कुछ ही घंटों में लंबी दूरी तय की जा सकती है। इसी प्रकार इंटरनेट और मोबाइल फोन ने संचार के क्षेत्र में

क्रांति ला दी है। आज व्यक्ति दुनिया के किसी भी कोने में बैठे लोगों से तुरंत संपर्क कर सकता है। विज्ञान ने चिकित्सा के क्षेत्र में भी अनेक चमत्कार किए हैं। कई गंभीर बीमारियों का इलाज संभव हो गया है। नई-नई मशीनों और तकनीकों के कारण रोगों का पता जल्दी चल जाता है। शिक्षा के क्षेत्र में भी विज्ञान का महत्वपूर्ण योगदान है। ऑनलाइन कक्षाएँ, स्मार्ट बोर्ड और डिजिटल पुस्तकें विद्यार्थियों के लिए शिक्षा को अधिक रोचक बना रही हैं। हालाँकि विज्ञान के कुछ दुष्परिणाम भी हैं। अत्यधिक मोबाइल और इंटरनेट के उपयोग से लोग सामाजिक जीवन से दूर होते जा रहे हैं। प्रदूषण, परमाणु हथियार और साइबर अपराध जैसी समस्याएँ भी विज्ञान की देन हैं। इसलिए आवश्यक है कि विज्ञान का उपयोग मानव कल्याण के लिए किया जाए, न कि विनाश के लिए।

(क) विज्ञान ने किन-किन क्षेत्रों में प्रगति की है?

(ख) संचार के क्षेत्र में विज्ञान ने क्या परिवर्तन किए हैं?

(ग) चिकित्सा के क्षेत्र में विज्ञान के दो लाभ लिखिए।

(घ) विज्ञान के दुष्परिणाम क्या हैं?

(ङ) गद्यांश के अनुसार विज्ञान का उपयोग किस प्रकार किया जाना चाहिए?

(च) कथन : आज शिक्षा पहले की तुलना में अधिक रोचक हो गई है।

कारण : शिक्षा में स्मार्ट बोर्ड, ऑनलाइन कक्षाओं और डिजिटल पुस्तकों का उपयोग होने लगा है।

(i) कथन और कारण दोनों सही हैं तथा कारण, कथन की सही व्याख्या करता है।

(ii) कथन और कारण दोनों सही हैं, लेकिन कारण कथन की सही व्याख्या नहीं करता।

(iii) कथन सही है, लेकिन कारण गलत है।

(iv) कथन गलत है, लेकिन कारण सही है।

प्र०2. (i) अपने गाँव, कस्बे या शहर की विशेषताओं की जानकारी एकत्र कर सुंदर परियोजना तैयार कीजिए। इसमें अपने क्षेत्र की संस्कृति, जल स्रोत, ऐतिहासिक स्थल, भोजन के बारे में जानकारी लिखिए।

अथवा

(ii) भारत के किन-किन महापुरुषों ने जेल में रहते हुए साहित्य की रचना की है? उनके नाम और गंधों के नाम एक चार्ट के रूप में प्रस्तुत करें।

निर्देश:-

- यह परियोजना A4 शीट पर रंगीन और आकर्षक तरीके से बनाइए।
- प्रत्येक विषय के साथ संबंधित चित्र चिपकाइए।

- मुख्य शीर्षकों को रंगीन पेन/स्केच पेन से लिखिए।
- जानकारी साफ और सुंदर लिखावट में लिखिए।

प्र०3.निर्देशानुसार प्रश्नों के उत्तर दीजिए-

(i) संधि विच्छेद कीजिए -

(क) विद्यालय (ख) आत्मज्ञान (ग) सुरेश्वर (घ) लोकोत्तर

(ii) समास का प्रकार बताइए -

(क) राजपुत्र (ख) गजशाला (ग) चंद्रमा (घ) मातृभूमि

(iii) समास विग्रह कीजिए -

(क) जलपान (ख) देवालय (ग) ग्रामसभा (घ) सूर्यकिरण

(iv) उपसर्ग जोड़कर नए शब्द बनाइए -

(क) गमन (ख) लेख (ग) प्रवेश (घ) ज्ञान

प्र०4. कथा मंजूषा :- पाठ-4 शाप और पाठ-5 अनमोल भेंट का पठन करें ।

MATHEMATICS

I. Assertion–Reason Questions:

Directions

For each of the following questions, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option from the following:

- (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

(i). **Assertion (A):** The number 5,07,32,418 is written according to the Indian place value system.

Reason (R): In the Indian system, commas are placed after every three digits from the right.

(ii). **Assertion (A):** Variables can take different numerical values.

Reason (R): Variables are fixed numbers that never change.

(iii). **Assertion (A):** In the expression $18 + 6 \times 4$, multiplication is done before addition.

Reason (R): According to BODMAS rule, multiplication has higher priority than addition.

(iv). **Assertion (A):** The face value and place value of 8 in 8,45,321 are equal.

Reason (R): The digit 8 is at the lakh place.

(v). **Assertion (A):** The expression $3a^2 + 2a + 1$ has three terms.

Reason (R): Terms are separated by operation signs.

II. Case Study:

(i). Three friends scored points in a game:

- Ravi = $3x$ points
- Aman = $2x + 15$ points

- Karan = $x + 25$ points

- Write an expression for total points scored by all three.
- Simplify the expression.
- Who scores the highest when $x = 10$?
- Write the expression representing Ravi's and Karan's combined score.

(ii). A survey showed the following populations:

- City A = 45,67,890
- City B = 5,08,76,210
- City C = 98,54,321

The government wants to compare these numbers for planning facilities.

- Which city has the greatest population?
- What is the place value of 8 in 5,08,76,210?
- Write the expanded form of 98,54,321.
- What will be the new population if 25,000 people are added to City A?

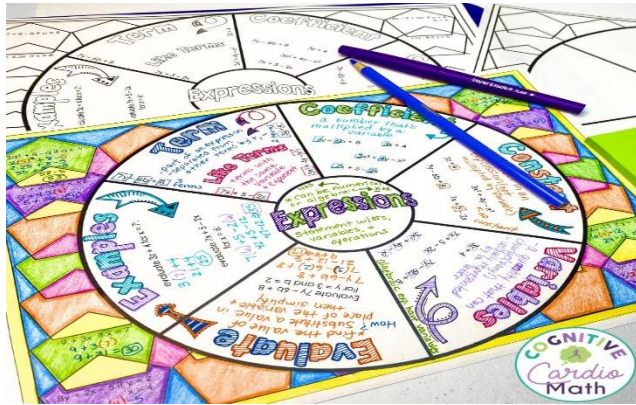
III. Solve the following

- Arya calculates 98×97 as: $(100-2) \times (100-3) = 1000 - 200 - 300 + 6 = 9506$
Do you think this is a valid method? Explain your answer using distributive property.
- A battery provides 1.5 V per cell. A torch needs 4 cells.
 - Write an expression to represent total voltage.
 - If the torch is modified to hold 3 more cells, write a new expression.
 - Which math property helps you modify the expression without full recalculation?
- A forest has 8000 trees. If each tree absorbs 25 kg of carbon dioxide, calculate the total absorption using a fast multiplication trick.
- A rectangular garden is 15 m long and k m wide. A section 4 m wide is reserved for flowers. Find the area of the remaining part AEFD of the garden using both methods.
- ADD by horizontal method and column method
 - $(4p+2q)$, $(6p-5q)$ and $(-7p+6q+3r)$
 - $(4x+6y+3z)$, $(-6x-5y+7z)$, and $(9x+5y-11z)$.

Q.2 PROJECT (3D MODEL)

1. Topic: "Algebraic expression wheel"

- Create a Wheel of Algebraic Wonders to turn simple numbers and symbols into meaningful expressions.



Objective: To help students understand algebraic expressions in a fun and interactive way.

Material Required:

- Coloured chart paper or cardboard
- Compass
- Scale
- Pencil and eraser
- Sketch pens/markers
- Scissors
- Glue
- Split pin (paper fastener)
- Black marker
- Decorative materials (stickers, glitter, etc.)

Procedure:

1. Take two or three circular pieces of chart paper of different sizes.
2. Draw and cut the circles neatly using a compass.
3. On the largest wheel, write numbers such as 2, 3, 5, 7, 10, etc.
4. On the second wheel, write variables like x, y, a, b.
5. On the third wheel, write mathematical operators such as +, -, ×.
6. Make small windows or sections so that one number, one variable, and one operator are visible at a time.
7. Place all wheels one above another from largest to smallest.
8. Fix the wheels at the centre using a split pin so they can rotate easily.
9. Rotate the wheels to create different algebraic expressions like:
 - $3x + 5$
 - $7y - 2$

○ $10a + 4$

10. Decorate the wheel neatly and give it a suitable title like “Algebraic Expressions Wheel”.

OR

2. Topic: “Smart Digits Board”

- Create a Number Learning Board to understand place value in a clear and easy way.



Objective: To develop hands-on learning of large numbers through a model.

Material Required:

- Cardboard sheet (for base)
- Coloured beads / small cubes / buttons (4 different colours)
- Glue or fevicol
- Sketch pens/markers
- Scale and pencil
- Small paper strips or labels
- Thread (optional for hanging beads)
- Decorative items (optional)

Procedure:

1. Take a thick cardboard sheet and divide it into four vertical columns.
2. Label each column as:
 - Thousands
 - Hundreds
 - Tens
 - Ones
3. Assign a different colour to each place value (example: purple, green, red, orange).
4. Paste or arrange beads in each column to form a number (for example: 3641).
5. Show the number clearly in the standard form on one side of the model.

4. **Maintain Colour Pattern:**

Colour each triangle differently to make the design attractive and to help in visual separation of problems.

5. **Check Accuracy:**

Ensure all multiplication facts are correct and properly matched with their answers.

6. **Final Touch:**

Outline the entire design with a black sketch pen to enhance visibility and neatness.

SCIENCE

A. Choose the correct option for each of the following:

(i) Adolescence generally begins at the age of _____.

- | | |
|-----------------|-----------------|
| (a) 2–5 years | (b) 6–8 years |
| (c) 11–19 years | (d) 20–25 years |

(ii) Which gland is known as the "master gland" of the body?

- | | |
|-------------------|---------------------|
| (a) Thyroid gland | (b) Pituitary gland |
| (c) Pancreas | (d) Adrenal gland |

(iii) The rapid increase in height during adolescence is known as _____.

- | | |
|------------------|-------------------|
| (a) Growth spurt | (b) Germination |
| (c) Maturation | (d) Fertilization |

(iv) The development of facial hair in boys is due to _____.

- | | |
|--------------|--------------|
| (a) Vitamins | (b) Hormones |
| (c) Minerals | (d) Enzymes |

(v) Electric current flows only in a:

- | | |
|----------------------|---------------------|
| (a) Broken circuit | (b) Open circuit |
| (c) Complete circuit | (d) Damaged circuit |

(vi) A device used to open or close a circuit is:

- | | |
|------------|----------|
| (a) Bulb | (b) Wire |
| (c) Switch | (d) Cell |

(vii) Which material is an insulator?

- | | |
|---------------|------------|
| (a) Iron | (b) Copper |
| (c) Aluminium | (d) Rubber |

(viii) The source of electricity in a torch is _____.

- (a) Bulb
(c) Wire
- (b) Cell
(d) Switch

(ix) Why should we never touch electrical appliances with wet hands?

- (a) Water conducts electricity
(c) Water cools appliances
- (b) Water produces electricity
(d) Water reduces voltage

(x) Electricity is a form of _____.

- (a) Matter
(c) Gas
- (b) Energy
(d) Force

B. Case study-based questions: -

Case -1

Riya was preparing for her science test. She switched on a bulb using a circuit made of a cell, wires, and a switch. When she closed the switch, the bulb glowed. Her teacher told her that electricity flows only through a complete circuit. She also advised students never to touch electrical appliances with wet hands. Q11. What is the chemical nature of the substance that caused Rakesh's discomfort?

- (i) What is the source of electrical energy in Riya's circuit?
- (ii) Which device is used to open or close a circuit?
- (iii) Through what does electricity flow?

Case -2

Aman is 14 years old. He has noticed an increase in his height and weight over the last year. Sometimes he experiences mood swings and feels confused about the changes taking place in his body. His teacher explained that these changes occur during adolescence due to hormones. She also advised him to eat a balanced diet and exercise regularly.

- (i) In which stage of life is Aman?
- (ii) What should Aman do regularly to stay healthy?
- (iii) Why is personal hygiene important during adolescence?

C. Assertion and Reason:

In the following questions, two statements are given- one labelled Assertion (A) and the other labelled Reason (R).

Select the correct answer to these questions from the choices (a), (b), (c) and (d) as given below:

- (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.

(i) **Assertion (A):** Plastic is used to cover electric wires.

Reason (R): Plastic is a good conductor of electricity.

(ii) **Assertion (A):** Getting enough sleep is important for adolescents.

Reason (R): Sleep supports healthy growth and development.

Q.2 PROJECT (3D STATIC MODEL)

1. Topic: 3-D model on physical, emotional social changes and Healthy habits during adolescence.

Create a 3D model on "Changes During Adolescence" using cardboard/thermocool, clay, coloured chart papers, labels, and pictures. Show the physical, emotional, and social changes that occur during adolescence along with healthy habits such as a balanced diet, exercise, proper sleep, and personal hygiene. Decorate the model neatly and label all parts clearly.

Material Required:

- Cardboard or thermocol sheet
- Coloured chart papers
- Clay
- Sketch pens
- Glue and scissors
- Labels and arrows
- Small printed pictures

Procedure:

- Divide the base into four sections:
 - Physical Changes
 - Emotional Changes
 - Social Changes
 - Healthy Habits
- Make two clay figures (boy and girl).
- Use arrows and labels to show changes such as:
 - Increase in height
 - Voice change
 - Growth of body hair
 - Emotional changes
 - Development of reproductive organs
- Add a "Healthy Lifestyle" corner showing:
 - Balanced diet
 - Exercise
 - Proper sleep
 - Personal hygiene

OR

2. Topic: 3-D model to demonstrate different ways of conserving electricity and promoting the use of renewable energy sources in everyday life.

Create a 3-D model to demonstrate different ways of conserving electricity and promoting the use of renewable energy sources in everyday life. Use materials such as cardboard, chart paper, clay, coloured paper, and labels to show energy-saving practices like switching off unused appliances, using LED bulbs, and harnessing renewable sources such as solar and wind energy. Label all parts clearly and present the model creatively.

Material Required:

- Cardboard or thermocol sheet
- Coloured chart papers
- Small cardboard boxes
- Clay
- Ice-cream sticks
- Paints/sketch pens
- Glue and scissors
- Printed labels

Procedure:

- Take a large cardboard base and divide it into different city areas.
- Make miniature houses, schools, hospitals, and offices using cardboard.
- Add solar panels on rooftops using black chart paper.
- Create a windmill using ice-cream sticks and paper.
- Design roads, parks, and streetlights.
- Label different electricity-saving features.
- Add posters and slogans promoting energy conservation.

Q3. OBSERVATION BASED:

Topic: To observe and understand the physical, emotional, and social changes that occur during adolescence (at least 10).

Observe and understand the physical, emotional, and social changes that occur during adolescence. Collect and record at least 10 observations related to growth, behaviour, feelings, and interactions with others. Present the observations in a well-organized project using charts, pictures, drawings, or a creative model to show how adolescence is an important stage of development.

Procedure:

- Observe the common changes experienced by adolescents.
- Discuss these changes with classmates, teachers, or family members.
- Record your observations under different categories such as physical, emotional, and social changes.

Note:

- Do not copy from the internet—observe from real items at home.
- Above table is for reference purpose only. Use your own observation

SOCIAL SCIENCE

A. Choose the correct option from the following:

- (i) Mahajanapadas were:
 - a) Small villages
 - b) Ancient states/kingdoms
 - c) Rivers
 - d) Mountains
- (ii) Early cities developed mostly near:
 - a) Seas only
 - b) Rivers
 - c) Deserts
 - d) Ice regions
- (iii) Taxes in early states were collected in the form of:
 - a) Books
 - b) Gold only
 - c) Goods and produce
 - d) Clothes
- (iv) Magadha became powerful because of:
 - a) Weak army
 - b) Fertile land and rivers
 - c) Cold climate
 - d) Desert land
- (v) India is called a country of diversity because of:
 - a) Same climate everywhere
 - b) Different landforms and cultures
 - c) Only mountains
 - d) Only rivers
- (vi) The Thar Desert is located in:
 - a) South India
 - b) East India
 - c) North-West India
 - d) North-East India
- (vii) The Himalayas are:
 - a) Plains
 - b) Mountains
 - c) Plateaus
 - d) Islands
- (viii) Democracy means:
 - a) Rule by king
 - b) Rule by army
 - c) Rule by people
 - d) Rule by judges
- (ix) Citizens take part in government by:
 - a) Sleeping
 - b) Voting
 - c) Fighting
 - d) Ignoring elections

B. Assertion–Reason Questions

Choose the correct option:

- a) Both A and R are true and R is correct explanation
- b) Both A and R are true but R is not correct explanation
- c) A is true but R is false
- d) A is false but R is true

1. **Assertion:** Early cities grew near rivers.
Reason: Rivers provided water, transport, and fertile soil.
2. **Assertion:** India has diverse physical features.
Reason: India has only mountains and deserts.
3. **Assertion:** Voting is important in democracy.
Reason: It allows citizens to choose leaders.
4. **Assertion:** Magadha became a powerful Mahajanapada.
Reason: It had fertile soil and access to rivers like Ganga.
5. **Assertion:** People in early cities depended only on hunting.
Reason: Agriculture and trade were important activities.

C. CASE-BASED QUESTIONS

Case Study 1:

India has a wide range of physical features. In the north, the Himalayas are covered with snow and have cold climate conditions. In contrast, the Thar Desert in Rajasthan is hot and dry with very little rainfall. The Gangetic plains are fertile and support large-scale agriculture. Coastal areas like Mumbai and Chennai have moderate climate influenced by the sea. Because of these differences, people adapt their lifestyles according to their environment. Farmers in Punjab grow wheat due to fertile soil, while fishermen in Kerala depend on the sea for their livelihood. This shows how geography influences human life in India.

Answer the following questions:

1. Why is the Himalayan region cold throughout the year?
2. What type of climate is found in the Thar Desert?
3. Why are the Gangetic plains suitable for agriculture?
4. How does the sea influence coastal regions?
5. How do people adapt their occupations according to geography?

Case Study 2:

Before independence, India was ruled by the British, and Indians had very limited participation in decision-making. After 1947, India became a democratic country. The Constitution gave citizens the right to vote and choose their leaders. Local self-government institutions like Panchayats were created to involve people at the village level. In many villages, people now attend Gram Sabha meetings to discuss problems such as water supply, roads, electricity, and education. This system ensures that power is not only in the hands of a few but is shared by the people.

Answer the following questions:

1. Who ruled India before independence?
2. What change took place in India after 1947?
3. What is the importance of the Constitution?
4. What is the role of Gram Sabha meetings?
5. How does democracy help in sharing power?

➤ 3D Model Project

History Model: Ancient Mahajanapada City

Objective

- To understand how early cities developed near rivers.
- To learn about the growth of Mahajanapadas in ancient India.
- To show the importance of rivers, farming, and settlements in city development.

Materials Required

- Cardboard or thermocol base
- Blue chart paper or paint (for river)
- Green chart paper (for fields)
- Clay or dough
- Matchsticks or small sticks
- Coloured paper
- Glue and scissors
- Sketch pens for labeling

Layout (Design Plan)

- Draw a **river on one side of the base** (Ganga/Yamuna)
- Near the river, show **green farming fields**
- In the middle, build a **city area with houses**
- Place a **king's palace at the center (highlighted structure)**
- Leave space for **labels and decorations**

Steps to Follow

1. Take a cardboard/thermocol sheet as the base.
2. Draw and colour a river using blue paint or paper.
3. Make small fields near the river using green paper or clay.
4. Create houses using clay or matchsticks and place them as a city.
5. Build a larger structure in the center to show the king's palace.
6. Arrange all parts neatly to show a complete city.
7. Add labels: **River, Fields, City, Palace.**
8. Decorate the model with trees, roads, and small details.

Conclusion

This 3D model helps us understand how ancient cities developed near rivers because of fertile land and water availability. It shows how Mahajanapadas became powerful due to farming, trade, and proper planning of cities.

OR

II. Topic: Poster making on Different forms of Government

Material Required

- (i) Poster board or chart paper (A2 or A3 size)
- (ii) Pencils (for outlining and planning)
- (iii) Markers or sketch pens (variety of colours)
- (iv) Black/blue pen (for neat labelling or writing)
- (v) Glue stick or liquid glue
- (vi) Scissor
- (vii) Coloured paper or construction paper (for headings or background shapes)
- (viii) Printouts or magazine cutouts (maps, world leaders, flags, etc.)
- (ix) Stickers or stencils (for icons or symbols)
- (x) Ruler (for clean lines and borders)
- (xi) Highlighters (for important points)
- (xii) Glitter pens or gel pens (for headings or borders)
- (xiii) Pictures of government buildings or national flags

Procedure

- (a) Title: "Forms of Government"
- (b) Sections for each type:
 - Name (e.g., Democracy)
 - Definition
 - Key Features
 - Example Countries
 - Symbols or images (optional: flag, leader, or emblem)
- (c) A comparison table or chart (optional)
- (d) Fun fact or quote related to government

VISUAL ART

Q.1 Make your own Quilling Art OWL

Quilling Art Instructions

- **Make it in A4 sheet.**
- Take quilling strips of paper
- Roll the strip tightly using a quilling tool or toothpick
- Glue the end to hold the shape
- Make different shapes like circle, teardrop, leaf, heart
- Arrange shapes on paper to form a design
- Paste carefully using glue



ਪੰਜਾਬੀ

- **ਨਵਰੰਗ 3** : ਪਾਠ- 4 ਗ਼ਲਤੀ ਦਾ ਅਹਿਸਾਸ (ਕਹਾਣੀ) , ਪਾਠ -5 ਗੁਰੂ ਦੇ ਲਾਲ (ਲੇਖ) ਪਾਠ ਪੜ੍ਹੋ ਅਤੇ ਕਿਤਾਬ ਦਾ ਅਭਿਆਸ ਹੱਲ ਕਰਨ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰੋ ।

ICT

- **Solve Periodic Assessment 1 given on page 31 in book.**
- **Do following conversion in notebook.**
 - a. $(1001)_2 = (?)_{10}$
 - b. $(1101)_2 = (?)_{10}$
 - c. $(35)_{10} = (?)_2$
 - d. $(25)_{10} = (?)_2$
- **Do following Binary addition and subtraction in note book.**
 - a. $100100 + 1111$
 - b. $110011 + 10011$
 - c. $11000 - 1111$
 - d. $101010 - 11011$