

Sanskriti KMV SCHOOL

2026-27

"Learn, Explore & Create During Your Vacations"

Grade 9

HOLIDAYS Homework



Learn. Explore. Grow.



Holidays are the perfect time to rest, reflect and prepare yourself for a brighter tomorrow.

DREAM

EXPLORE

DISCOVER

ACHIEVE



About This Homework

Dear Students,

This holiday homework is designed to help you revise, reinforce and enhance your learning in a fun and meaningful way. It will help you stay connected with your studies and prepare you for the upcoming term.

Do your best, stay curious and make the most of your holidays!

All the Best! 😊



Guidelines

- Do all the work neatly and on your own.
- Use A4 sheets for written work.
- Label each subject clearly.
- Present your work in a clean and organized manner.
- Revise regularly and manage your time well.
- Read, explore and learn something new every day.

"The best preparation for tomorrow is doing your best today."





Dear Students,

Summer Vacation is a wonderful opportunity to refresh your mind, discover new interests, and spend meaningful time with your family and friends. Holidays are not only meant for relaxation but also for developing creativity, improving life skills, and learning beyond textbooks.

The Holiday Homework has been carefully designed to make learning enjoyable and activity-based. It aims to encourage independent thinking, creativity, practical application of knowledge, and self-expression. Through these activities, students will develop confidence, responsibility, and curiosity towards learning.

Students are expected to complete their work sincerely and present it neatly. Originality, creativity, and presentation will be appreciated. Make your work colourful, informative, and well-organized. Use your holidays wisely by balancing studies, hobbies, physical activities, and family time.

Remember:

- Read books regularly to improve language and imagination.
- Stay physically active through sports, yoga, or exercise.
- Spend quality time with your family members.
- Avoid excessive use of mobile phones and gadgets.
- Practice positive habits and healthy routines.
- Learn something new during the holidays.

We hope you enjoy completing these activities and return with new experiences, fresh energy, and wonderful memories.

Wishing You a Happy, Safe, and Productive Summer Vacation!



GENERAL INSTRUCTIONS

1. Complete all work neatly and systematically.
2. Maintain proper handwriting and presentation.
3. Use coloured sheets, decorative borders, and relevant pictures wherever required.
4. Projects should reflect creativity and personal effort.
5. Submit the homework in a properly labelled folder/file or as instructed.
6. Revise the syllabus covered in class regularly.
7. All written work should be completed before the reopening of school.
8. Parents are requested to guide and motivate students whenever necessary.

Do's and Don'ts for Summer Vacations

✓ Do's

- Wake up early and develop a healthy morning routine.
- Practice yoga, meditation, or go for a brisk walk daily.
- Learn a new skill such as painting, dancing, music, cooking, or public speaking.
- Play outdoor games and participate in physical activities during morning or evening hours.
- Spend quality time with family members and cousins.
- Visit new places and explore different experiences.
- Help your parents in household chores and learn useful life skills.
- Read books, newspapers, and magazines regularly.
- Complete your holiday homework regularly and neatly.
- Drink plenty of water and eat healthy, nutritious food.
- Stay positive, active, and creative throughout the holidays.
- Maintain cleanliness and follow a healthy daily routine.

✗ Don'ts

- Do not spend excessive time on mobile phones, television, or video games.
- Avoid going outside during peak afternoon heat.
- Do not oversleep or become lazy during vacations.
- Avoid wasting your entire day on gadgets and social media.
- Do not postpone your holiday homework until the last day.
- Avoid unhealthy eating habits and junk food.
- Do not disturb your daily study schedule completely.
- Avoid staying indoors all day without any physical activity.
- Do not neglect your health, fitness, and sleep routine.

Submission Date: First Week After Reopening of School

English

1. Do the following in the Practice Papers:

Comprehension: Page no. 17 to 21

Grammar: Page no. 108,119

Writing Skill: Page no. 148,162

2. The Illustrated Poetry Map:

In the poem "Bharat Our Land", Subramania Bharati uses vivid words to paint a picture of India's geographical wonders and spiritual heritage. For this task, you will transform his poetry into a visual masterpiece by creating an Illustrated Poetry Map.

Follow these steps to complete your map:

Draw the Outline: On a large chart paper or an A3 sheet, draw a neat outline map of India.

Track the Poem's Geography: Locate and lightly pencil in the key landmarks mentioned by the poet: The mighty Himalayas ("The mighty Himavan is ours...") The sacred river Ganga ("The generous Ganga is ours...") The historical regions associated with the Upanishads and Gautama Buddha.

Weave Words into Art: Instead of using standard map symbols or regular labels, use your finest calligraphy to write the lines of the poem directly along those geographic features. Example: Write the line "The generous Ganga is ours, which other land can match her grace?" in a flowing, cursive blue script that snakes along the exact path of the Ganges river. Sketch and shade the Himalayan peaks using the words of the first stanza.

Decorate the Borders: In the corners of your map, illustrate small icons that represent the cultural symbols highlighted in the poem (like a sacred scroll for the Upanishads or a meditating Buddha).

Art Integration Activity

Topic: Handcrafted Regional Pankhas (Odisha vs. Punjab)

Based on your English chapter "Winds of Change", which explores the evolution of traditional hand fans from basic utilities to treasured cultural art pieces, you will design

and construct a functional, eco-friendly hand fan (pankha) .You must select one state assigned to your roll number group to represent its indigenous art form:

Roll No. 1 to 20: Odisha (Talapatra / Pattachitra style)

Roll No. 20 onward: Punjab (Phulkari Pankhi style)

Important guidelines for art integrated project:

⊙ **Strict Material Constraints (Eco-Friendly Only)**To respect the chapter's focus on natural heritage, zero plastic, thermocol, or store-bought foam sheets are allowed. You must use materials easily found around your home:
Base: Thick packaging cardboard boxes, old shoe boxes, or wedding cards.
Handle: Wooden kitchen skewers, old chopsticks, sturdy twigs, or rolled newspapers.
Adhesives & Binding: Flour paste (maida glue), jute string, or tailoring waste threads.
Decoration: Scraps of old clothing, yarn, beads from broken jewelry, or dried leaves.

Requirements Along with your physical fan, you must submit a two-page project file containing the following handwritten elements:

Page 1: Acknowledgement & Material Inventory A neat table listing every domestic waste material you repurposed.

Page 2: Literary & Cultural Reflection

Question 1: Explain how your handmade fan embodies the phrase "Winds of Change" from your English prose chapter.

Question 2: Compare how the geography of your chosen state dictated its traditional art materials (e.g., coastal jute in Odisha vs. agricultural cotton in Punjab).

Mathematics

General Instructions:-

- **Solve the practice questions on loose sheets and submit in a folder.**
- **Do the AIL activity / model as per the roll numbers allotted. Make it as creative and innovative as possible.**

LINEAR POLYNOMIALS

I	Assertion Reason Questions.
1.	<p>(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.</p> <p>Assertion (A): If $x = 2$ and $y = 3$ is a solution of the equation $ax + y = 15$, then the value of a is 6. Reason (R): The solution of a line needs to satisfy the equation of the line.</p>
2.	<p>(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.</p> <p>Assertion: -7 is a constant polynomial. Reason: Degree of a constant polynomial is zero.</p>
II	Case Study Questions.
3.	<p>On his birthday, Manoj planned that this time he celebrates his birthday in a small orphanage centre. He bought apples to give to children and adults working there. Manoj donated 2 apples to each child and 3 apples to each adult working there along with Birthday cake. He distributed 60 total apples.</p> <p>(a) Taking the number of children as 'x' and the number of adults as 'y'. Represent the above situation in linear equation in two variables. (b) If the number of children is 15, then find the number of adults. (c) If the number of adults is 12, then find the number of children. (d) If $x = -5$ and $y = 2$ is a solution of the equation $3x + 5y = b$, then find the value of 'b'</p>
4.	<p>A fitness center offers a prepaid membership plan where a user starts with a balance of ₹800. Every day the member visits the gym, ₹20 is deducted from the balance as a usage fee.</p> <p>(i) Write an equation to represent the remaining balance $b(x)$ after using the gym for x days. Explain why this situation represents linear decay. (ii) After how many days will the balance become zero? Show your working. (iii) Make a table of values for x varying from 1 to 10 days and show how the balance $b(x)$, reduces with time.</p>
III	Very Short Answers (2 marks), Short Answers (3 marks), and Long Answers (5/4 marks) questions.
5.	<p>Find the value of the linear polynomial $2x - 3$ $x = -4$</p>
6.	<p>Find the value of the quadratic polynomial $-4p^2 + 7p + 1$ if: (i) $p = 1$ (ii) $p = -1$ (iii) $p = 2$</p>

7.	After 5 years, the age of father will be two times the age of his son. Write a linear equation in two variables to represent this statement. Find their ages.
8.	A sum of Rs 500 is in the form of denominations of Rs 10 and Rs 20. If the total number of notes is 35. Find the number of notes of each denomination.
9.	The length of a rectangle exceeds its breadth by 4 cm. If the length and breadth are each increased by 3 cm, the perimeter of the new rectangle becomes 24 cm more than that of the original rectangle. Find the length and breadth of the original rectangle.
10.	The sum of two numbers is 45 and their ratio is 7:8. Find the integers.
11.	The taxi fare in a city is as follows: For the first kilometer, the fare is Rs 8 and for the subsequent distance it is Rs5 per km. Taking the distance covered as x km and total fare as Rs y, write a linear equation for this information, and draw its graph.
12.	Suppose a small business starts with an initial capital of \$5,000 and earns a steady profit of \$300 each week. (i) Find the total capital after 12 weeks. (ii) Make a table of values for the number of weeks (w) varying from 0 to 10 and show how the total capital (C) increases every week. (iii) Find an expression that relates C and w, and explain why it represents linear growth.

NUMBER SYSTEM

1. Find four different irrational numbers between $\frac{3}{7}$ and $\frac{5}{11}$

2. Convert $\frac{1}{11}$ in decimal form and state the kind of decimal expansion.

3. Express the following in the form of rational number:

a. $2.\overline{34}$

b. $5.4\overline{5}$

c. $5.\overline{2} + 0.4\overline{5}$

4. Simplify: (i) $\frac{-2}{5} - \left(\frac{-3}{10}\right) - \left(\frac{-4}{15}\right)$ (ii) $\frac{5}{3} - \frac{7}{6} + \left(\frac{-2}{3}\right)$ (iii) $\frac{-3}{2} + \left(\frac{5}{4} - \frac{7}{4}\right)$

5. Divide the sum of $\frac{13}{5}$ and $\frac{-12}{7}$ by the product of $\frac{-31}{7}$ and $\frac{-1}{2}$.

6.

What number should be added to $\frac{-7}{8}$ to get $\frac{4}{9}$?

Coordinate Geometry

1. A point lies on y-axis at a distance of 2 units from the x-axis. Write its coordinates.
2. Which of the following points belong to x-axis?
A(3,-1), B (4,0), C(-2, 0), D(0,3), E(-2,-1), F (-4, 0), G (1,0)
3. A park in the shape of a quadrilateral ABCD with A (8, 3), B (0,-1), C (-2, 3) and D (6, 7) is developed with flowers and green plants. Plot the points. Name the shape of the park. Will you support that green be developed in your city near the schools and hospitals? Give reasons.
4. What is the mirror image of the point (3, 9) with respect to x-axis?
5. Plot the points A (3, 0), B (3, 3) and C (0, 3) in a Cartesian plane. Join OA, AB, BC and CO.

Name the figure so formed and write its one property.

Project

ROLL NO. 1-15

Working Model Activity – “Coordinate City”

Design and prepare an interactive working model titled “**Coordinate City**” to demonstrate the concept of the Cartesian Plane and Linear Graphs through a miniature city setup.

Your model should:

- Be designed as an attractive **3D miniature city**
- Include creative, colorful, and innovative elements
- Clearly represent the X-axis and Y-axis on a large coordinate plane

You may use the following to make the model interactive :

- Movable vehicles , LED traffic lights or glowing buildings , Rotating labels

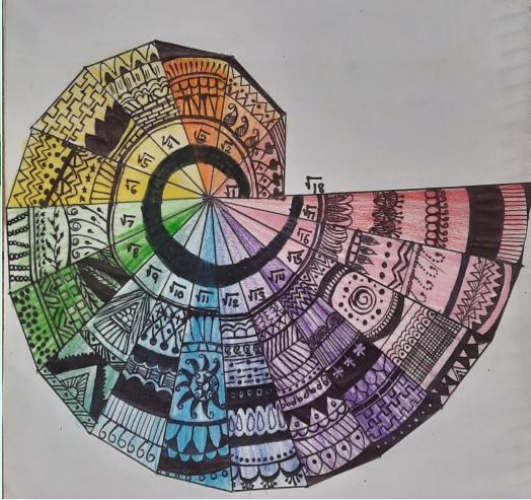
ROLL NO. 16-30

Model – “3D Square Root Spiral”

Design and prepare an innovative **3D model** based on the **Square Root Spiral (Spiral of Theodorus)** to represent $\sqrt{2}$, $\sqrt{3}$, $\sqrt{4}$, $\sqrt{5}$, $\sqrt{6}$, $\sqrt{7}$... and further in a continuous spiral form.

You may use the following

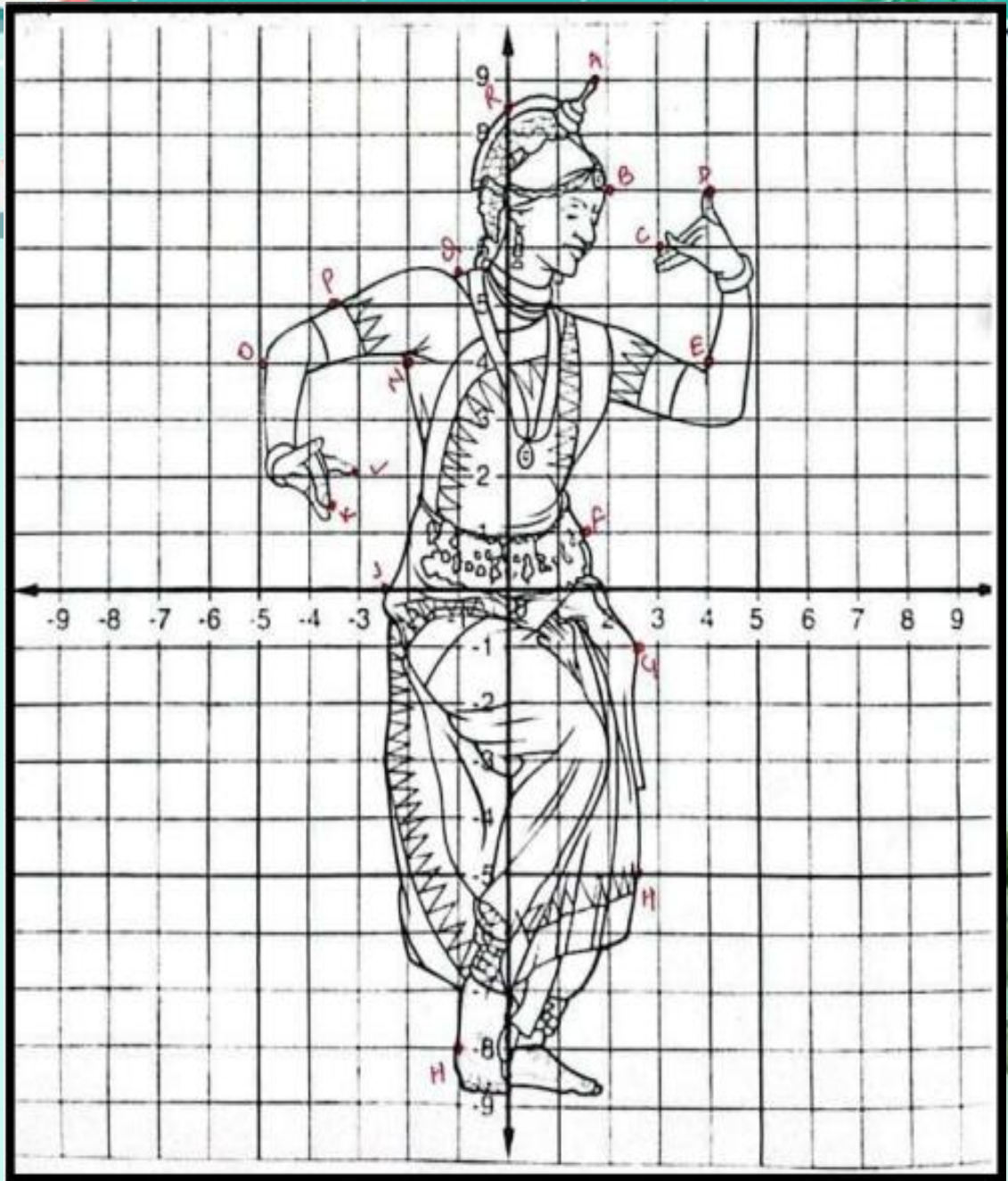
- Use elevated layers, spirals, or standing triangular sections to create a 3D effect , Label each square root clearly , Use color coding, LED lights, rotating labels, pull tabs, or movable parts for better understanding , Add brief explanations or formula sections to explain the concept
- Few images for your reference are given below



ROLL NO. 31 onwards

AIL ACTIVITY (Both to be done)

- **Choose any two RELIGIOUS MONUMENTS and two HISTORICAL MONUMENTS of Punjab and Odisha each, paste their pictures, collect and write the following information about them**
 - **Area covered**
 - **Shapes used (only 2D regular shapes)**
 - **Draw the lines of symmetry of the shapes wherever possible.**
 - **Write the formulas of the area and perimeter of the shapes used.**
- **Make a table and write the marked coordinates and their respective quadrants / axes where they lie in context to the given picture about the famous dance form of Orissa. Also write few important things about it.**



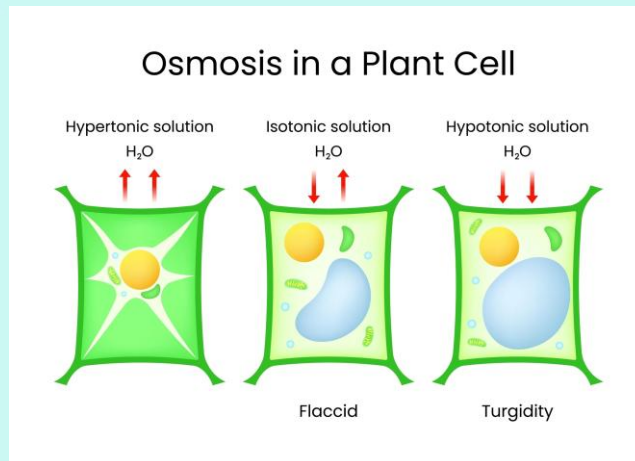
Science

INSTRUCTIONS:

1. This Holiday Homework Assignment has been thoughtfully designed to foster creativity, critical thinking, and independent learning among students.
2. All tasks must be completed sincerely and presented neatly in the respective subject notebooks.

BIOLOGY

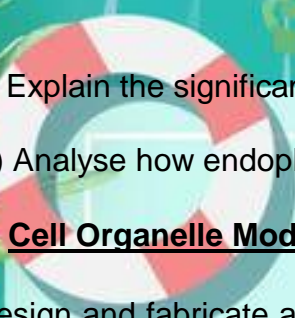
1. Case Study



While examining epidermal cells of *Tradescantia* leaf under a microscope, a group of students observed remarkable structural alterations after placing the cells in different salt concentrations. Cells immersed in distilled water appeared fully expanded, whereas cells exposed to concentrated saline solution exhibited shrinkage of cytoplasmic contents away from the cell wall. The teacher explained that the observations were directly associated with permeability characteristics of the plasma membrane and movement of water molecules across concentration gradients.

Answer the following questions:

- i) Identify the cellular process responsible for shrinkage of cytoplasm in saline solution.
 - ii) Which structural component regulates transmembrane movement of substances?
 - iii) Explain why the cell becomes turgid in distilled water.
 - iv) Differentiate between turgidity and plasmolysis.
 - v) Explain how concentration gradients influence movement of water molecules across the plasma membrane.
2. i) Elucidate the difference between diffusion, osmosis, and active transport.
- ii) Explain how selective permeability contributes to maintenance of intracellular equilibrium.
- iii) Predict the consequences on cellular metabolism if plasma membrane loses its regulatory efficiency.
3. i) Explain the role of DNA in transmission of hereditary characteristics.
- ii) Evaluate the importance of nucleus in coordinating metabolic and reproductive activities of the cell.
4. i) Differentiate between Smooth ER and Rough ER with reference to structure and functions.

- 
- ii) Explain the significance of membrane biogenesis in eukaryotic cells.
 - iii) Analyse how endoplasmic reticulum contributes towards intracellular transport.

5. Cell Organelle Model Construction Activity

Design and fabricate an elaborate three-dimensional model representing any one cell organelle such as mitochondrion, nucleus, chloroplast, Golgi apparatus, endoplasmic reticulum. The model must exhibit structural precision, scientific accuracy, and functional interpretation of the selected organelle.

Task:

Construct a demonstrative model highlighting the ultrastructure and physiological significance of the chosen organelle and present a brief academic explanation correlating its structure with its cellular functions.

Hints and Guidelines:


- i) The model should distinctly represent labelled structural regions and internal components.
- ii) Students are encouraged to employ biodegradable, recyclable, or innovative craft materials.
- iii) Structural detailing should reflect actual microscopic organization of the organelle.
- iv) Include a concise explanatory note covering:
 - Structural composition
 - Functional attributes
 - Role in cellular metabolism and survival
- v) Creativity, dimensional proportionality, presentation quality, and scientific authenticity will form the basis of assessment.
- vi) Students may integrate movable parts, sectional views, or colour-coded representations for enhanced conceptual clarity.

6. AIL Activity: Comparative Study of Plant Propagation in Punjab and Odisha

Undertake a comparative investigatory study on agricultural and plant propagation practices prevalent in Punjab and Odisha by examining climatic adaptations, propagation techniques, irrigation systems, and nutrient management strategies. Students should integrate biological concepts with geographical and socio-economic perspectives while presenting their observations through analytical charts, models, or research-based presentations.

Core Tenets for Investigation

- Types of natural and artificial propagation practiced in both states
 - Major crops and climatic suitability
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- Importance of macro and micronutrients in crop development
 - Modern agricultural techniques and sustainability measures
 - Comparative irrigation systems and resource management

Chemistry

1. Make a pictiography of 50 new words related to chemistry from the chapters of NCERT and also paste pictures related to the topic.

2. Draw a 3D chart of A3 size on any one of the topic –

Fractional distillation, chromatography, sublimation, evaporation, inter conversion of states of matter.

3. CASE STUDY

Riya was preparing lemonade for her family. She added sugar to cold water and noticed that the sugar dissolved slowly. Her mother suggested heating the water slightly. When Riya used warm water, the sugar dissolved much faster. Later, she tried adding more and more sugar. After some time, no more sugar dissolved and some sugar settled at the bottom of the glass.

The next day, Riya opened a bottle of cold soft drink. She noticed bubbles coming out of the drink. Her brother explained that carbon dioxide gas is dissolved in the drink under pressure.

From these activities, Riya understood that temperature, pressure, and the nature of substances affect solubility.

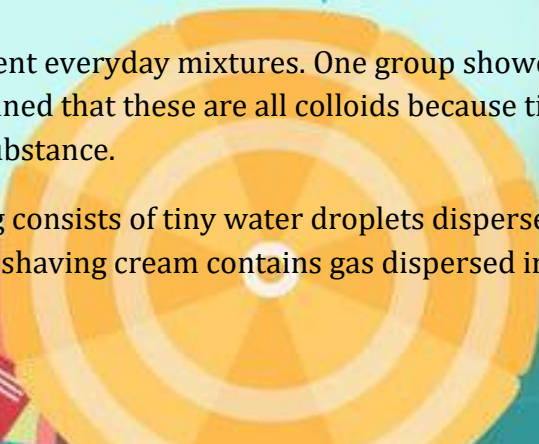
Answer the following questions:

- i) Why did sugar dissolve faster in warm water?
- ii) Why do bubbles appear when a cold drink bottle is opened?
- iii) Name two factors affecting solubility shown in the case study.
- iv) State whether the following statement is True or False.
- v) Why is soda water stored in tightly closed bottles?

4. CASE STUDY

During a science exhibition, students displayed different everyday mixtures. One group showed milk, fog, jelly, shaving cream, and smoke. They explained that these are all colloids because tiny particles of one substance are dispersed in another substance.

Milk contains tiny fat droplets dispersed in water. Fog consists of tiny water droplets dispersed in air. Smoke contains solid particles mixed in air, while shaving cream contains gas dispersed in liquid. Jelly is a semi-solid colloid.



The teacher asked students to classify these colloids based on the physical states of dispersed phase and dispersion medium.

Answer the following questions:

- i) What is a colloid?
- ii) What type of colloid is fog?
- iii) Classify shaving cream on the basis of dispersed phase and dispersion medium.
- iv) Why are colloids considered heterogeneous mixtures even though they appear uniform?
- v) Why does light become visible in foggy weather?

5. Application Based Questions:

- i) Why can filtration not separate dissolved salt from water?
- ii) A student wants to separate a mixture of sand, salt, and iron filings. Write the correct sequence of separation methods.
- iii) Why is centrifugation more effective than simple filtration in some mixtures?
- iv) Explain why smoke is considered a colloid.
- v) Differentiate between a solution, suspension, and colloid with one daily-life example each.

AIL : Make a file on the differences in nutrition and child health between Punjab and Odisha through newspaper reports.

Lab Manual : Experiment No.1,2,4

Physics

Case Study 1 :

A boy is riding his bicycle on a straight road. He starts from rest and accelerates uniformly for 10 seconds, reaching a speed of 20 m/s. Then he maintains this speed for 20 seconds before applying brakes and coming to rest in 5 seconds.

Answer the following questions:

1. Calculate the acceleration during the first 10 seconds.
2. Find the distance covered during acceleration.
3. Calculate the distance covered while moving at constant speed.
4. Find the deceleration when the boy applies brakes.

5. Calculate the distance covered during braking.

Case Study 2 :

Arjun cycles to school at a steady speed. He covers 2 km in 10 minutes without stopping. Meera takes the same route and same total time, but her speed changes. She starts slow, goes faster in the middle, and slows down at the end.

Answer the following questions:

1. Calculate Arjun's speed in km/min. If Meera also covers 2 km in 10 min, will her average speed be same, more, or less than Arjun's? Explain.
2. Arjun's speed does not change. What is this motion called? Meera's speed keeps changing. What is this motion called?
3. If you draw a distance-time graph for Arjun, it will be a straight line. Why? For Meera, the graph will be curved. What does the curve tell us about her speed?
4. In daily life, we rarely move at constant speed. Give 2 examples where speed changes, like Meera. Why do you think this happens?
5. If Arjun and Meera both start at the same time, who will reach school first? What extra information would you need to answer this for sure?

3. Application Based Questions:

1. A car starts from rest, accelerates uniformly, and then moves with constant speed. Draw and explain its velocity–time graph.
2. A student says "If speed is constant, acceleration is zero." Is this always true? Justify.
3. Explain the importance of graphs in studying motion instead of only formulas.
4. A body moves 10 m east and then 10 m west. What can you say about its distance and displacement? Explain reasoning.
5. Can an object have acceleration even when its speed is constant? Explain.

4. AIL : Make a file on" Comparison of Goods Transport System between Punjab and Odisha"

Study of Motion based on Road Conditions , Speed and Time taken by Vehicles.

(Represent this activity through pictures, graphs and formulas used for calculation)

Note :- 9 Albert Einstein Roll no 1- 15 (Physics AIL)

Roll no 16- 25(Chemistry AIL)

Roll no – 25 onwards (Biology AIL)

9 C.V.Raman Roll no – 1-15 (Biology AIL)

Roll no – 16- 30 (Physics AIL)

Roll no – 31 onwards (chemistry AIL)

9 Aryabhata Roll no – 1-12 (chemistry AIL)

Roll no – 13-25 (Biology AIL)

Roll no – 26 onwards (Physics AIL)

9 APJ Abdul Kalam Roll no – 1-12 (chemistry AIL)

Roll no – 13-25 (Biology AIL)

Roll no – 26 onwards (Physics AIL)

Social Science

1. Map skill

(5 pages) Pg. No.-7,9,11,13 19

2. Lab manual :

Part A Geo Skill Test, Assessment 1&2 (Geography), Democratic Politics
Assessment 1,2 & 3

3. Project Work :

Make a Project file on Types of Disaster

Reference:

Chapter 2:Landforms:Earth's Living Canvas

Instructions :

A.Project should include Causes, Effects, Mitigation strategies.

B. Include Pictures, Newspaper cuttings, Safety tips and Emergency helpline.

C.Role of the government and local authorities for the same.

NOTE: The project should be hand written and well presented, researched and pictorial.
Cover page, table of contents, headings and sub headings are must.

4.AIL Activity:

Visual Representation on Election Process in India.

Collect the information about the regional parties of Punjab and Odisha. Write the name of party, year of establishment , symbol, famous leaders, ideologies of party.

5. Worksheet

Very Short Answer Questions :

1. Which mountain range forms the northern boundary of India?
2. What is the large fertile plain formed by rivers called?
3. Which plateau lies in southern India?
4. Which subject studies past events?
5. Which branch studies money and trade?
6. Which form of government is better
7. Which type of government is elected by the people?
8. What is the process of choosing leaders called?
9. What is the minimum voting age in India?
10. What is the importance of Preamble ?

Short Answer Questions

1. What is Social Science? Explain its main branches.
2. Describe the role of Social Science in understanding society.
3. Why are elections important in a democratic country?
4. Explain the role of the Election Commission of India.
5. What is universal adult franchise? Why is it important?

Long Answer Questions :

1. Explain how Social Science helps to understand society and culture.
2. Discuss the role and functions of Election Commission in India.

Hindi

सामान्य निर्देश : १. सभी प्रश्नों के उत्तर शुद्ध वर्तनी में पूर्ण कीजिए ।

२. प्रत्येक कार्य स्पष्ट व सुंदर लेख में पूर्ण कीजिए।

३. मई माह तक करवाए गए सारे विषय दोहराएँ ।

४ . परियोजना कार्य की प्रस्तुति आकर्षक एवं सुंदर होनी चाहिए ।

1. निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़ कर पूछे गए प्रश्नों के उत्तर लिखिए-

स्वस्थ शरीर में ही स्वस्थ मन का वास होता है। यह कहावत हमें सिखाती है कि शारीरिक और मानसिक स्वास्थ्य एक-दूसरे से जुड़े हुए हैं। यदि व्यक्ति का शरीर स्वस्थ है, तो वह मानसिक रूप से भी स्वस्थ और सशक्त रहता है। नियमित व्यायाम, संतुलित आहार, और पर्याप्त नींद अच्छे शारीरिक स्वास्थ्य के लिए अत्यंत महत्वपूर्ण हैं। जब व्यक्ति शारीरिक रूप से सक्रिय रहता है, तो उसके मस्तिष्क में सकारात्मक ऊर्जा का संचार होता है, जिससे वह तनावमुक्त और खुश रहता है।

आज की तेज़ भागती दुनिया में मानसिक स्वास्थ्य पर ध्यान देना भी आवश्यक है। मानसिक स्वास्थ्य के लिए ध्यान और योग जैसे साधन सहायक हो सकते हैं। ये न केवल मानसिक शांति प्रदान करते हैं बल्कि व्यक्ति के आत्मविश्वास को भी बढ़ाते हैं। सामाजिक संबंध भी मानसिक स्वास्थ्य पर प्रभाव डालते हैं। सकारात्मक और सहायक संबंध व्यक्ति के मानसिक स्वास्थ्य को बेहतर बनाने में मदद करते हैं। दूसरी ओर नकारात्मक संबंध व्यक्ति में तनाव और चिंता बढ़ा सकते हैं। इसके अलावा समाज में सक्रिय भागीदारी और लोगों के साथ मिलकर काम करना भी मानसिक स्वास्थ्य को सुधारने में सहायक होता है। इसलिए अच्छे स्वास्थ्य के लिए शारीरिक और मानसिक दोनों पहलुओं पर ध्यान देना अनिवार्य है। व्यक्ति को अपने स्वास्थ्य का ध्यान रखना चाहिए और सात्विक एवं संतुलित आहार का सेवन करना चाहिए ।

(क) उपर्युक्त गद्यांश का मुख्य विषय क्या है?

- मानसिक स्वास्थ्य का महत्त्व
- शारीरिक और मानसिक स्वास्थ्य का संबंध
- योग और ध्यान का महत्त्व
- सामाजिक संबंध और स्वास्थ्य

(ख) 'स्वस्थ शरीर में ही स्वस्थ मन का वास होता है' पंक्ति से क्या आशय है?

- शारीरिक स्वास्थ्य मानसिक स्वास्थ्य से जुड़ा नहीं है ।
- मानसिक स्वास्थ्य शारीरिक स्वास्थ्य पर निर्भर है ।
- केवल मानसिक स्वास्थ्य महत्त्वपूर्ण है ।
- शारीरिक और मानसिक स्वास्थ्य का कोई-संबंध नहीं है ।

(ग) निम्नलिखित कथन और निष्कर्ष को ध्यान से पढ़कर दिए गए विकल्प से सही उत्तर चुनकर लिखिए:

कथन: मानसिक स्वास्थ्य केवल ध्यान और योग पर निर्भर करता है।

निष्कर्ष :व्यक्ति को स्वस्थ रहने के लिए नियमित रूप से योग करना चाहिए।

- i . कथन सही है, लेकिन निष्कर्ष गलत है। iii. कथन गलत है और निष्कर्ष सही है।
ii. कथन और निष्कर्ष दोनों सही हैं। iv . कथन और निष्कर्ष दोनों गलत हैं।

(घ) सरल भाषा में शारीरिक और मानसिक स्वास्थ्य के बीच संबंध स्पष्ट कीजिए।

(ङ) मानसिक स्वास्थ्य सुधारने के लिए कौन-कौन से उपाय किए जा सकते हैं?

2 क)निम्नलिखित शब्दों में प्रयुक्त उपसर्ग अलग कीजिए -

- i)अनुशासन iii)निराशा
ii)उपकार iv)पराजय

ख) दिए गए उपसर्गों से नए शब्द बनाइए -

- i)परि iii)दुर्
ii)सम् iv)सह

3 .क) निम्नलिखित वाक्यों में से संज्ञा शब्द छाँटकर भेद का नाम लिखिए -

- i)मोहन विद्यालय गया।
ii)गंगा भारत की पवित्र नदी है।
iii)बच्चों ने पार्क में खेला।
iv)ईमानदारी सबसे बड़ी पूँजी है।

ख)रिक्त स्थानों में उचित संज्ञा भरिए -

- i) __ भारत की राजधानी है।
- ii) __ मैदान में खेल रहे हैं।
- iii) हमें सदैव __ बोलना चाहिए।
- iv) __ एक पवित्र नदी है।
- v) __ ईमानदार छात्र है।

4. संवाद लेखन उत्तरपुस्तिका में व्याकरण भाग में करें-

ई-कचरा (E-waste) की समस्या और इसके टिकाऊ समाधान पर बातचीत करते हुए दो छात्रों के मध्य हुए संवादों को 120-150 शब्दों में लिखिए।

संवाद लेखन में निम्नलिखित बिंदुओं का प्रयोग अनिवार्य है।

- ई-कचरे का बढ़ता स्तर
- पर्यावरणीय और स्वास्थ्य जोखिम
- अवैज्ञानिक निपटान की समस्या
- उत्तरदायित्व और जागरूकता:

5. क्रियात्मक कार्य : दिए गए चित्र के आधार पर -

संरक्षण पर्यावरण

(पर्यावरण अनुकूल)

पुरानी वस्तु का उपयोग, पर्यावरण का संरक्षण।

पुरानी वस्तु से बधाई कार्ड

कैसे बनाएं:

1. पुराने अखबार/कगज़ से फूल और पत्ते काटें।
2. उन्हें कार्ड/पुराने गते पर विपकाएँ और सजाएँ।
3. आपका सुंदर बधाई कार्ड तैयार है।

पुरानी वस्तु से बैग

कैसे बनाएं:


1. पुराने अखबार/मैगज़ीन के पन्नों को मोड़कर आकार दें।
2. किनारों को गोंद/टैप से मजबूत करें और हैंडल लगाएँ।
3. आपकी पर्यावरण अनुकूल बैग तैयार है।

आइए, हम सब मिलकर पर्यावरण का संरक्षण करें और एक बेहतर भविष्य बनाएं।


अनुक्रमांक 1 से 20 आकर्षक हार्दिक बधाई कार्ड बनाएँगे ।

अनुक्रमांक 21 से आगे तक पुरानी वस्तु से पेपर बैग बनाएँगे ।

6 . निर्देशानुसार कार्य उत्तरपुस्तिका में व्याकरण भाग में करें-



अन्वेषण कार्य (Research Work)



➤ उत्तम भविष्य: सतत विकास से संबंधित किन्हीं दस परियोजनाओं की सूची बनाइए ।


➤ पर्यावरण संरक्षण हेतु 'मिशन लाइफ' को एक सरकारी योजना के बजाय 'जन आंदोलन' बनाने की आवश्यकता व बताते हुए अपने मित्र को 120-150 शब्दों में एक पत्र लिखिए ।

अथवा

➤ अनुच्छेद लेखन
अक्षय ऊर्जा: स्वच्छ व आत्मनिर्भर भारत' विषय पर जानकारी एकत्र कीजिए तथा { संकेत बिंदुओं } की सहायता से 200 - 250 शब्दों में अनुच्छेद लिखिए ।

संकेत बिंदु

- नवीकरणीय ऊर्जा का अर्थ
- आत्मनिर्भरता की ओर कदम:
- पर्यावरणीय लाभ व आर्थिक अवसर
- चुनौतियाँ व समाधान:



7 . कला एकीकृत गतिविधि:-



कला एकीकृत गतिविधि

(ग्रीष्मकालीन अवकाश कार्य)

कक्षा : नौवीं



“उत्तर हो या दक्षिण हो,
पूर्व हो या पश्चिम हो
है देश मेरा रंगीला,
है देश मेरा सजीला !”

भारत विविधताओं का देश है। विविधताओं के बावजूद देश के दूसरे कोने में जाकर भी अपनेपन का भाव रहता है। इस परियोजना में आप विभिन्न राज्यों की कला, संस्कृति एवं संगीत में पाई जाने वाली समानताओं को समझेंगे और एक आकर्षक पोर्टफोलियो तैयार करेंगे।

> नृत्य कला और संगीत है,
भावों का सागर;
जो करता है हमारी संस्कृति
को उजागर।

निर्देश :

- > यह कार्य एक आकर्षक पोर्टफोलियो के रूप में तैयार करें।
- > A4 साइज शीटों का प्रयोग करें। प्रत्येक पृष्ठ को शीर्षक दें और चित्र / चित्रकला चिपकाएँ। स्वच्छ, रचनात्मक और जानकारीपूर्ण प्रस्तुति दें।
- > हस्तलिखित या डिजिटल, दोनों प्रकार से कर सकते हैं (स्वच्छ और सुव्यवस्थित होना चाहिए)।

सजाएँ

उद्देश्य

विविधता में एकता को समझना और हमारी सांस्कृतिक धरोहर के प्रति सम्मान विकसित करना।

कार्य (पोर्टफोलियो में शामिल करें)

1 नीचे दी गई तालिका को पूर्ण करें :

संगीत (मुख्य प्रकार व आधार)	मुख्य प्रकार : _____ आधार : _____	संगीत (मुख्य प्रकार व आधार)	मुख्य प्रकार : _____ आधार : _____
नृत्य (मुख्य प्रकार व आधार)	मुख्य प्रकार : _____ आधार : _____	नृत्य (मुख्य प्रकार व आधार)	मुख्य प्रकार : _____ आधार : _____

- विभिन्न राज्यों के संगीत व नृत्य की विशेषताएँ संक्षेप में लिखें (प्रत्येक लगभग 100 शब्द)।
- विभिन्न राज्यों के वेशभूषा, भाषा, खान-पान, त्योहार और लोक वाद्य - यंत्रों के चित्र लगाएँ और उनके बारे में 2-3 वाक्य भी लिखें।
- राज्यों के बीच पाए जाने वाले कम से कम पाँच समान बिंदु लिखें।
- आपको कौन-सा संगीत / नृत्य अधिक पसंद आया और क्यों? (अपनी भावनाएँ 5-6 वाक्यों में लिखें)।
- निष्कर्ष लिखें - “विविधता में एकता” पर अपने विचार (लगभग 100 शब्द)।

ध्यान रखने योग्य बातें :

- कार्य मौलिक और स्वनिर्मित हो।
- चित्र साफ-सुधरे और रंगीन होने चाहिए।
- प्रत्येक पृष्ठ पर नाम, कक्षा, अनुक्रमांक अवश्य लिखें।
- समय सीमा के अंदर कार्य पूरा करें।

शुभकामनाएँ !

<p>वेशभूषा</p>	<p>भाषा</p>	<p>खान-पान</p>	<p>त्योहार</p>	<p>लोक वाद्य - यंत्र</p>
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विभिन्न राज्यों के बीच समानताएँ (कम से कम पाँच)

- _____
- _____
- _____
- _____
- _____



मुझे कौन-सा संगीत / नृत्य अधिक पसंद आया और क्यों?

- _____
- _____
- _____



निष्कर्ष - “विविधता में एकता” पर मेरे विचार

नाम : _____
कक्षा : _____
अनुक्रमांक : _____

मूल्यांकन के आधार : * सामग्री की शुद्धता * रचनात्मकता और प्रस्तुति * साफ-सफाई और समय पर जमा करना

8. हिंदी दिवस पर आकर्षक पृष्ठ स्मृति चिह्न (Bookmark) बनाएँ ।



9. दिए गए लिंक की सहायता से पाठ्य पुस्तक गंगा के पाठ - 2 को ध्यान से देखिए एवं सुनिए । इसका सारांश अपने शब्दों में उत्तरपुस्तिका पर लिखें ।

<https://youtu.be/zzRXa8qEMbl?si=cWrXEaTcKKIYf4hl>

Punjabi

"ਸਹਿਜ ਪੱਕੇ ਸੇ ਮੀਠਾ ਹੋਇ"

1. ਪੋਰਟਫੋਲੀਓ- ਸਾਹਿਤ-ਮਾਲਾ, ਵੰਨਗੀ ਅਤੇ ਵਿਆਕਰਨ ਦੇ ਸਿਲੇਬਸ ਦੀ ਸੂਚੀ ਬਣਾ ਕੇ ਲਿਖੋ ।
(ਪੋਰਟਫੋਲੀਓ ਦੀ ਕਾਪੀ ਦੇ ਬਾਹਰਲੇ ਕਵਰ ਨੂੰ ਘਰ ਵਿੱਚ ਪਈਆਂ ਵਿਅਰਥ ਚੀਜ਼ਾਂ ਨਾਲ ਸਜਾਓ।)

2.(i)ਤੁਹਾਡੀ ਪਾਠ -ਪੁਸਤਕ ਵਿੱਚ ਪਖੰਡੀ ਸਾਧੂਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਕਿਹੜੀ ਇਕਾਂਗੀ ਹੈ? ਉਸ ਇਕਾਂਗੀ ਵਿੱਚ ਆਮ ਮਨੁੱਖ ਨੂੰ ਕੀ ਸੰਦੇਸ਼ ਦਿੱਤਾ ਗਿਆ ਹੈ?

(ii)ਆਪਣੀ ਪਾਠ -ਪੁਸਤਕ ਵਿੱਚੋਂ ' ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ' ਅਤੇ 'ਸਾਂਝੀ ਕੰਧ' ਪਾਠ ਪੜ੍ਹ ਕੇ ਉਸ ਨਾਲ ਸੰਬੰਧਿਤ 10 -10 ਪ੍ਰਸ਼ਨ ਆਪ ਬਣਾ ਕੇ ਲਿਖੋ।

3. ਹੇਠਾਂ ਲਿਖੇ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਨੂੰ ਅਧਾਰ ਬਣਾ ਕੇ ਦੋ ਤੋਂ ਤਿੰਨ ਮਿੰਟ ਦਾ ਭਾਸ਼ਣ ਤਿਆਰ ਕਰੋ।(ਕੋਈ ਇੱਕ)

(i)ਸਮੇਂ ਦੀ ਸੰਭਾਲ (ii)ਦੇਸ਼ ਪਿਆਰ (iii)ਮੋਬਾਇਲ ਦੀਆਂ ਲਾਭ- ਹਾਨੀਆਂ (iv)ਸਮਾਜਕ ਬੁਰਾਈਆਂ

4. ਵਿਆਕਰਨ ਦੀ ਪਾਠ- ਪੁਸਤਕ ਸੰਬੰਧੀ ਹੇਠਾਂ ਲਿਖੇ ਲੇਖਾ ਨੂੰ ਪੜ੍ਹੋ ਅਤੇ ਯਾਦ ਕਰੋ।

(i)ਵਿਦਿਆਰਥੀ ਅਤੇ ਫੈਸ਼ਨ(ii)ਮੇਰੇ ਜੀਵਨ ਦਾ ਉਦੇਸ਼ (iii)ਇੱਕ ਚੁੱਪ ਸੌ ਸੁੱਖ (iv)ਪਰੀਖਿਆ ਵਿੱਚ ਨਕਲ ਦੀ ਸਮੱਸਿਆ (v)ਗਲੋਬਲ ਵਾਰਮਿੰਗ

5. ਜੂਨ ਦੇ ਕਿਸੇ ਇੱਕ ਹਫ਼ਤੇ ਦੀਆਂ ਜੋ ਵੀ ਚਲੰਤ ਘਟਨਾਵਾਂ ਹੋਈਆਂ ਹਨ, ਉਸਦੀਆਂ ਤਸਵੀਰਾਂ ਅਤੇ ਵੇਰਵਾ ਦਿੰਦੇ ਹੋਏ ,ਇਸ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ A4 ਚਾਰਟ ਉੱਤੇ ਲਿਖੋ।(ਪੰਜਾਬ ਅਤੇ ਉੜੀਸਾ ਰਾਜ) AIL Activity

6.ਹੇਠਾਂ ਲਿਖੇ ਵਿਸਮਿਕ ਦੀਆਂ ਕਿਸਮਾਂ ਦੇ ਨਾਮ ਲਿਖਦੇ ਹੋਏ, ਉਹਨਾਂ ਦੇ ਨਾਲ ਸੰਬੰਧਿਤ ਦੋ- ਦੋ ਉਦਾਹਰਨਾਂ ਵੀ ਲਿਖੋ(ਵਾਕ ਬਣਾਓ ।)

ਲੜੀ ਨੰਬਰ	ਵਿਸਮਿਕ ਦੀਆਂ ਕਿਸਮਾਂ	ਉਦਾਹਰਨਾਂ (ਵਾਕ ਬਣਾਓ)
1		
2		
3		
4		
5		
6		
7		
8		

7. (i) ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਨੂੰ ਦੇਖ ਕੇ ਆਪਣੇ ਵਿਚਾਰ ਲਿਖੋ :-



ਜਾਂ

(ii) ਸਜਾਵਟੀ ਸਮਾਨ ਦੀ ਵਰਤੋਂ ਕਰਦੇ ਹੋਏ ਕੋਈ ਇੱਕ ਤੋਹਫ਼ਾ ਬਣਾਓ। (ਪੰਜਾਬ ਅਤੇ ਉੜੀਸਾ ਰਾਜ)

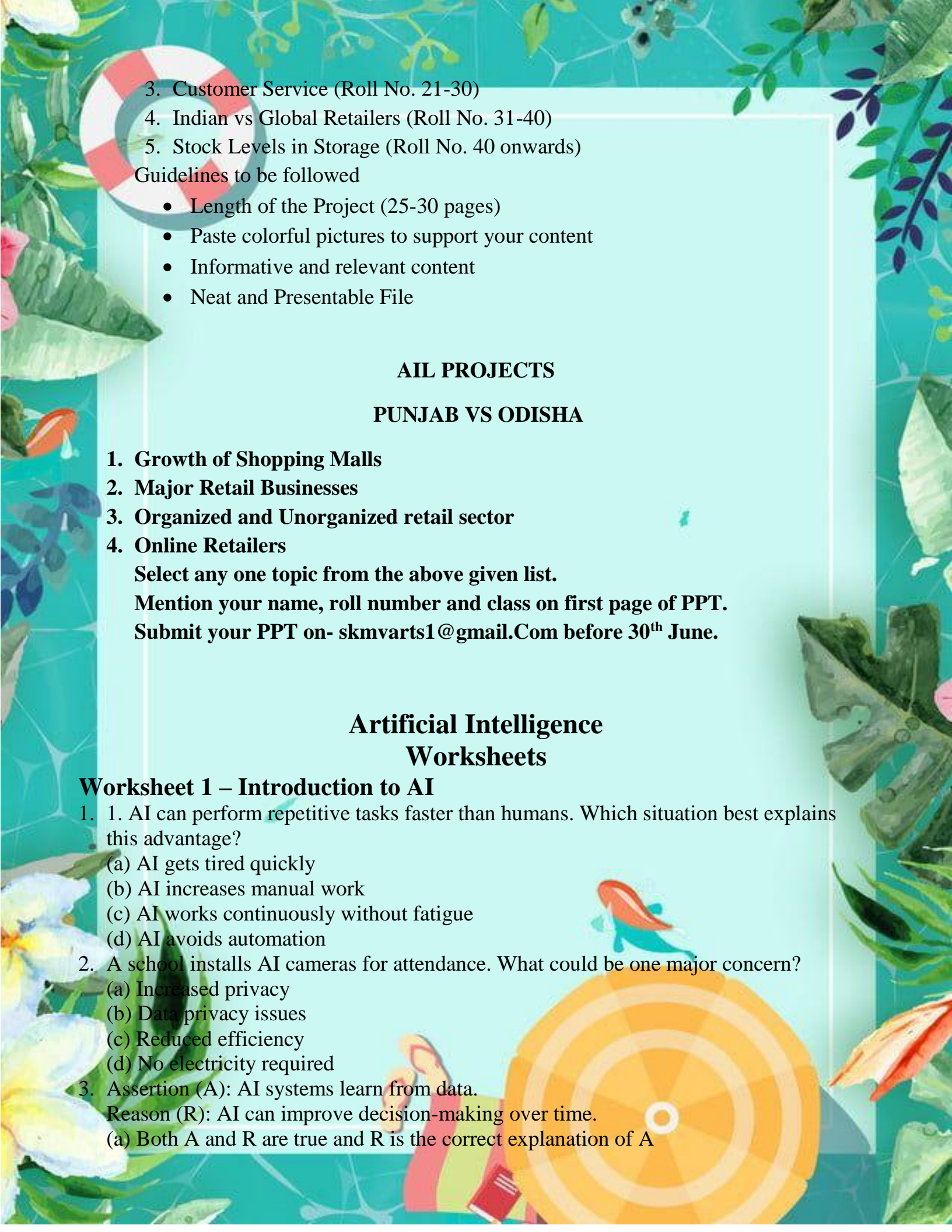
ਨੋਟ:- (i) ਇਕਾਈ ਪਰੀਖਿਆ 1(UT1) ਸਿਲੇਬਸ ਦੀ ਦੁਹਰਾਈ ਕਰੋ।

(ii) ਸਾਰਾ ਕੰਮ ਪੋਰਟਫੋਲੀਓ ਉੱਤੇ ਲਿਖੋ।

Retail

PROJECTS FOR PRACTICAL

1. Store and Non Store Retailing (Roll No. 1-10)
2. Inventory Management (Roll No. 11-20)

- 
3. Customer Service (Roll No. 21-30)
 4. Indian vs Global Retailers (Roll No. 31-40)
 5. Stock Levels in Storage (Roll No. 40 onwards)

Guidelines to be followed

- Length of the Project (25-30 pages)
- Paste colorful pictures to support your content
- Informative and relevant content
- Neat and Presentable File

AIL PROJECTS

PUNJAB VS ODISHA

- 1. Growth of Shopping Malls**
- 2. Major Retail Businesses**
- 3. Organized and Unorganized retail sector**
- 4. Online Retailers**

Select any one topic from the above given list.

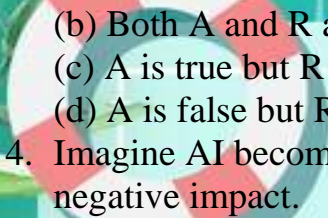
Mention your name, roll number and class on first page of PPT.

Submit your PPT on- skmvarts1@gmail.com before 30th June.

Artificial Intelligence Worksheets

Worksheet 1 – Introduction to AI

1. AI can perform repetitive tasks faster than humans. Which situation best explains this advantage?
 - (a) AI gets tired quickly
 - (b) AI increases manual work
 - (c) AI works continuously without fatigue
 - (d) AI avoids automation
2. A school installs AI cameras for attendance. What could be one major concern?
 - (a) Increased privacy
 - (b) Data privacy issues
 - (c) Reduced efficiency
 - (d) No electricity required
3. Assertion (A): AI systems learn from data.
Reason (R): AI can improve decision-making over time.
 - (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
 - (c) A is true but R is false
 - (d) A is false but R is true
4. Imagine AI becomes more intelligent than humans in future. Write one positive and one negative impact.

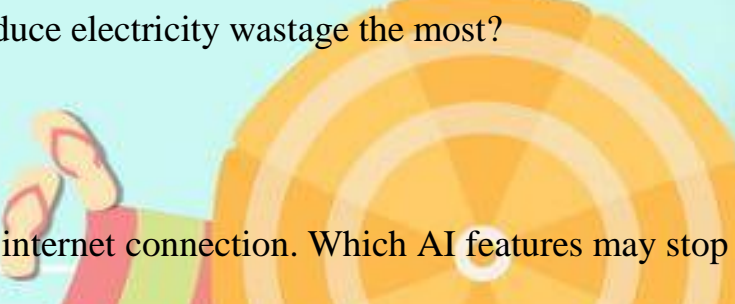
Worksheet 2 – Types of AI

1. Which type of AI is currently used in voice assistants like Alexa?
 - (a) General AI
 - (b) Narrow AI
 - (c) Super AI
 - (d) Human AI
2. A robot that can think and make decisions like humans belongs to:
 - (a) Weak AI
 - (b) Strong AI
 - (c) Reactive Machine
 - (d) Limited Memory
3. Differentiate between Narrow AI and General AI using one real-life example each.

Worksheet 3 – AI Domains

1. Face unlock in smartphones is an example of:
 - (a) NLP
 - (b) Data Science
 - (c) Computer Vision
 - (d) Robotics
2. ChatGPT and chatbots mainly use which AI domain?
 - (a) NLP
 - (b) Computer Vision
 - (c) Data Collection
 - (d) Animation
3. A hospital uses AI to predict disease outbreaks using large data sets. Which domain is mainly involved?
4. How can Computer Vision help in road safety?

Worksheet 4 – Dream Smart Home

1. Which smart device can help reduce electricity wastage the most?
 - (a) Smart bulb
 - (b) AI-powered thermostat
 - (c) Smart speaker
 - (d) Smart TV
 2. Suppose your smart home loses internet connection. Which AI features may stop working?
- 

3. Design one innovative AI feature that can make homes safer for elderly people.
4. Explain one disadvantage of depending completely on smart home technology.

Worksheet 5 – Uses of AI

1. AI is helping doctors in:
 - (a) Cooking food
 - (b) Disease detection
 - (c) Farming only
 - (d) Typing books
2. Self-driving cars mainly use AI for:
 - (a) Entertainment
 - (b) Automatic decision-making
 - (c) Painting roads
 - (d) Reducing internet usage
3. How can AI improve online learning for students?
4. Suggest one area where AI should not completely replace humans. Give reason.

Worksheet 6 – IT Companies and AI

1. Which company developed Watson AI?
 - (a) Apple
 - (b) IBM
 - (c) Intel
 - (d) Adobe
2. Google Translate is an example of AI used in:
 - (a) Gaming
 - (b) NLP
 - (c) Space Research
 - (d) Robotics
3. Why are IT companies investing heavily in AI technologies?

Worksheet 7 – AI Ethics

1. Using AI to spread fake news is:
 - (a) Ethical
 - (b) Responsible
 - (c) Unethical
 - (d) Secure
2. Which issue is most related to AI ethics?
 - (a) Privacy
 - (b) Internet speed
 - (c) Printer quality
 - (d) Keyboard size
3. How can biased AI systems negatively affect society? Explain with one example only.

4. Suggest two ethical rules companies should follow while developing AI.

Worksheet 8 – Advantages and Disadvantages of AI

1. Which is NOT an advantage of AI?
 - (a) Faster work
 - (b) 24×7 availability
 - (c) Human emotions
 - (d) Reduced errors
2. One disadvantage of AI is:
 - (a) Increased automation
 - (b) Job displacement
 - (c) Better accuracy
 - (d) Fast calculations
3. Do you think AI can create unemployment in future? Explain briefly.
4. Compare one advantage and one disadvantage of AI in education.

Worksheet 9 – AI Project Cycle

1. The first stage of AI Project Cycle is:
 - (a) Evaluation
 - (b) Modelling
 - (c) Problem Scoping
 - (d) Data Exploration
2. Collecting information for AI systems is called:
 - (a) Data Acquisition
 - (b) Coding
 - (c) Automation
 - (d) Networking
3. A student wants to create an AI model to detect plant diseases. Which data should be collected first?
4. Why is Evaluation important before finalizing an AI model?

Worksheet 10 – Case Study Based Questions

1. A city uses AI traffic signals to reduce congestion. Which stage of AI Project Cycle involves studying traffic patterns?
2. An AI system predicts exam performance of students. What ethical issue may arise if the data is inaccurate?
3. A shopping app recommends products based on previous purchases. Which AI domain is mainly used?
4. Explain how AI can help in disaster management during floods or earthquakes.

Project

Choose any one real-life problem and explain how the AI Project Cycle can help solve it.

Project Guidelines

- Prepare a **printed project file** of **minimum 8 pages (Maximum 12)**.
- Use **coloured headings, diagrams, charts, and pictures** wherever possible.
- The project should be neat, creative, and well-organized.

Students will make project as per their Roll number on one real-life problem related to:

1. Smart Parking System (Roll Number 1 – 10)
2. Street Light Automation (Roll Number 11 – 20)
3. Smart Home Security (Roll Number 21-30)
4. Cyberbullying Detection (Roll Number 31 onwards)

Example Format for Students

Topic: Smart Traffic Control

Problem Scoping: Traffic jams waste time and fuel.

Data Acquisition: Collect traffic data from cameras and sensors.

Data Exploration: Study busy roads and peak traffic hours.

Modelling: AI predicts traffic density and controls signals.

Evaluation: Check whether waiting time and congestion reduced.

Project Structure

- Cover Page
- Introduction (AI and the problem)
- Problem Scoping (What, Why, Who, Where)
- Data Acquisition (What is required data? What is type of data required? How will it be collected? Collect atleast 5 samples of Data)
- Data Exploration (Observation and analysis, Charts, Graphs, pictures)
- Modelling (AI solution for the problem, AI Domain used)
- Evaluation (Benefits of solution, Limitations and challenges)
- Conclusion (What did you learn, Future Scope, One poster of AI solution)

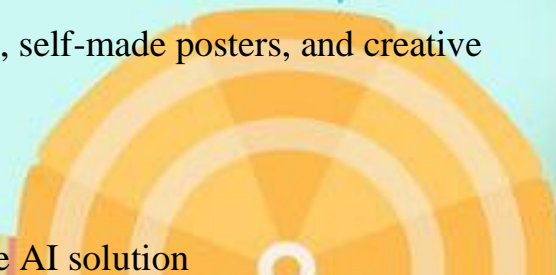


Assessment Rubrics for Project

Criteria	Marks
Content & Understanding	4 Marks
Problem Scoping	3 Marks
Data Acquisition & Exploration	4 Marks
AI Modelling & Solution	4 Marks
Presentation & Creativity	3 Marks
Conclusion & Future Scope	2 Marks

Total = 20 Marks

Rules & Submission Guidelines

1. The project must be prepared in the student's **own words and ideas**.
 2. Copy-pasting directly from websites, books, AI tools, or classmates is strictly prohibited. Students may take reference from the internet, but the content should be **rewritten and explained in their own understanding**. AI tools may be used only for guidance and idea generation, not for complete project writing. Diagrams, pictures, and charts taken from online sources should be properly labelled.
 3. Projects found copied or identical to another student's work or online tool will receive:
 - First instance:** The student will have to re-submit the project with original work within the given time.
 - Repeated or completely copied work:** Marks deduction or zero marks may be awarded.
 4. Handwritten observations, original charts, self-made posters, and creative presentation will be appreciated.
 5. Each student must include at least:
 - 5 self-created data samples
 - 1 original observation/chart/table
 - 1 self-designed poster related to the AI solution
- 



AIL Activity

AI for Stubble Burning Problem

Make a poster on A4 sheet to:

Suggest AI solution to reduce stubble burning in Punjab.

OR

Show how AI can help protect marine animals near Odisha coast.

OR

Smart Tourism Guide for Odisha

Create a pamphlet for an AI-based tourism assistant for places like:

- Puri
- Konark Sun Temple
- Bhubaneswar

Features:

- Explanation of place
- Transport to reach
- QR codes of location of places
- Language translation guide
- Smart recommendations

Physical Education

Complete your Physical Education Practical File With the History, Rules and Regulations, Ground Specification, Sportskill etc. for given below sports event:

1. Athletics
2. Basketball
3. Volleyball


🌿 Eco Club Summer Green Mission 🌿

Theme for the Session

“Small Green Steps, Big Future Changes”

Eco Club Slogan

“Save Nature Today, Secure Tomorrow.”





Event Name

❁ “My Kitchen Garden Mission” ❁

Activity Details

Students will create a small kitchen garden at home using any one of the following:

- Pots
- Recycled bottles
- Trays
- Balcony space
- Terrace area
- Backyard soil

Students may select and grow:

- Coriander
- Mint
- Spinach
- Tomatoes
- Chillies
- Fenugreek
- Basil
- Any other seasonal vegetables/herbs

Student Tasks

Students Will Submit an Observation Report on an A4 Sheet:

📷 Paste 1–2 photographs while planting.

✍️ Write about:

- Weekly growth record
 - Plant grown
 - Duration taken for growth
 - Challenges faced during gardening
- 