ST. THOMAS SCHOOL
INDIRAPURAM
FOR GOD AND COUNTRY

ST. THOMAS SCHOOL

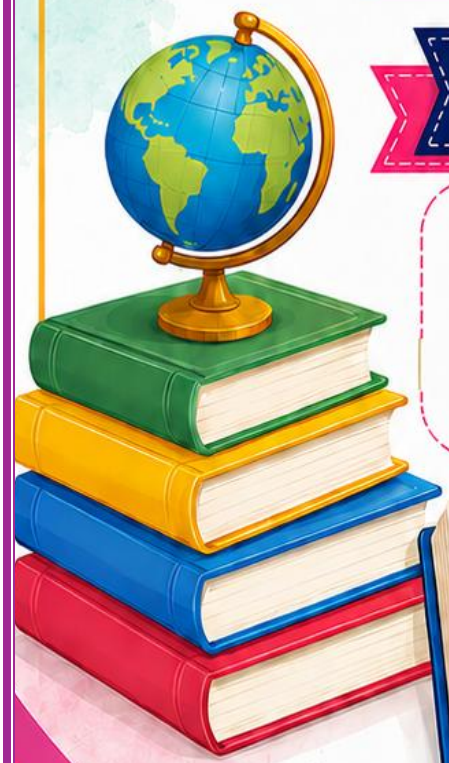
INDIRAPURAM

SUMMER HOLIDAY

HOMEWORK

CLASS IX

"Learn with curiosity, enjoy with happiness, and shine with confidence this summer."



SESSION 2026-27
HOLIDAY HOMEWORK

Class-IX

ENGLISH

"Bharat Our Land" State Brochure Making

"High peaks of the Himalayas are ours—there's no equal anywhere on earth!

The generous Ganga is ours—which other river can match her grace?"

— Subramania Bharati

Dear Students,

Summer is finally here! It is a time to hit the "pause" button, recharge your batteries and explore the world beyond your textbooks. While you enjoy the mangoes and the sunshine, remember that learning never truly takes a vacation—it just changes its form. So,

Prepare a creative brochure on any Indian state highlighting the beauty, culture, heritage, traditions and diversity of our country, Bharat.

Instructions:

- Select any one Indian state of your choice.
- Use A4/ A3 sheet/chart paper (Tri-fold or Bi-fold style) and submit it in brochure format.
- Give your brochure a creative and suitable title.
- The brochure should include: famous tourist places, culture and traditions, food and festivals.... etc
- The work should be neat and well-presented. (hand-drawn illustrations, sketches or neatly pasted pictures)

Note: Ensure originality of ideas and give it a personal touch. We look forward to seeing your creativity shine!

HINDI

कार्य: A4 साइज शीट पर एक पोस्टर बनाइए।

निर्देश:

1. पोस्टर के बीच में गांधी जी का चश्मा बनाइए। चश्मे के एक लेंस में "सत्य" और दूसरे में "अहिंसा" लिखिए।

2. चश्मे के नीचे गांधी जी का यह कथन लिखिए: "बेईमानी से जीता हुआ धन, ईमानदारी से हारी हुई गरीबी से भी बुरा है।"

3. चश्मे के बाएं तरफ एक ऐसा चित्र बनाइए जो रिश्वत लेने से मना करता हो।

4. चश्मे के दाएं तरफ एक जलती मोमबत्ती बनाकर उसके नीचे "ईमानदारी की रोशनी" लिखिए।

5. शीट में कहीं भी "Zero Tolerance to Corruption" और स्लोगन "ना खाऊंगा, ना खाने दूंगा" अवश्य लिखिए।

6. अंत में 3 लाइन में लिखिए कि गांधी जी के चश्मे का भ्रष्टाचार रोकने से क्या संबंध है।

MATHEMATICS

Q1	Find the coordinates of point A, where AB is a diameter of the circle with centre $(-2,2)$ and B is the point with coordinates $(3,4)$.
Q2	Find the distance between the points $P\left(-\frac{11}{3},5\right)$ and $Q\left(-\frac{2}{3},5\right)$
Q3	The vertices of a rectangle are $A(4,10)$, $B(4,13)$, $C(11,13)$ and $D(-11,4)$. Find the area of the rectangle.
Q4	Show that the points $(1,7)$, $(4,2)$, $(-1,-1)$ and $(-4,4)$ are the vertices of a square.
Q5	Locate $\sqrt{10}$ and $\sqrt{17}$ on the number line.

Q6	The following questions are Assertion and Reason based questions. Two statements are given, one labelled as Assertion (A) and the other is labelled as Reason (R). Select the correct answer to these questions from the codes (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):** The distance between the points $P(2a, 2b)$, $Q(-3a, -3b)$ is $5\sqrt{a^2 + b^2}$ **Reason (R):** The distance between the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is $\sqrt{(x_2 - x_1)^2 - (y_2 - y_1)^2}$ **(ii)Assertion (A):** The polynomial $x^3 - 3x^2 + 3x - 1$ is a cubic polynomial. **Reason (R):** A cubic polynomial is defined as having the highest exponent of variable equal to 3. **(iii)Assertion (A):** A polynomial of degree n can have at most $(n + 1)$ terms. **Reason (R):** The degree of a polynomial represents the highest exponent of the variable.
Q7	Find the values of $p(0)$, $p(1)$ and $p(2)$ for each of the following polynomials: $p(x) = 3x^2 - 5x + 4$, $p(t) = 2 + 3t + 2t^2 - 5t^3$, $p(y) = (y - 1)(y + 1)$
Q8	Find the value of a and b, if the line $6ax + by = 24$ passes through (2,0) and (1,2).
Q9	A rational number in its lowest form has denominator $2^3 \times 5^2$. How many decimal places will its decimal expansion have? Explain your answer.
Q10	Draw the graphs of the following sets of lines: (i) $y = 8x$, $y = 4x$, $y = 2x$ (ii) $y = -3x + 2$, $y = 2x - 2$, $y = -4x + 1$
Q11	Ravi took a cab to go to his office. For the first kilometre, the fare is ₹50 and for the subsequent distance it is ₹10 per kilometre. Take total fare as y. Form a linear equation in two variables. If Ravi covered 7 km, then how much fare has to pay?
Q12	In a school, one day the Math's teacher told the students that the number line represents various types of numbers. She drew a number line and explained them about rational and irrational numbers can be represented on the number line. A number is called an irrational number if it cannot be expressed in the form , p/q where p and q are integers and $q \neq 0$. **Based on the above information, answer the following:** (i) Find an irrational number between 2 and 3. (ii)Find a rational number between 2.125 and 2.126. (iii) Express 1.3 in the form , p/q where p and q are integers, $q \neq 0$.
Q13	Riya participates in Diwali Mela with her friends for charity at a centre for children with disabilities. They donate ₹3600 to the centre from the amount earned in Mela. Each girl donates ₹150 and each boy donates ₹200.

	(i) Assuming number of girls and boys are x and y respectively. Represent the above situation as a linear equation. (ii)If number of girls are 8, find number of boys.
Q14	For the first 3 km, the fare is ₹45. For every additional kilometre, the fare is ₹10 per km. Taking distance as x km and total fare as ₹y, write a linear equation.
Q15	Rahul has 5 times as much money in his piggy bank as his little sister. Their father gives each of them ₹21. Now, Rahul has exactly twice as much money as his sister. How much money did each of them have initially?
Q16	A student, Ritu, wants to issue a book from a library. So she asked the library teacher for the charges. The teacher told her that there is a basic charge for issuing a book from the library. For one day the charge of issuing a book is ₹5. Thereafter, there is an additional charge of ₹1 per day for late deposit. Ritu took one book for x days and let ₹y be the total amount that needs to be paid. **Based on the above information, answer the following questions:** (i) Represent the above situation in linear equation. (ii)If Ritu issued the book for 6 days, then find the total amount she needs to pay. (iii)If Ritu paid a total amount of ₹22, then for how many days did she keep the book with her?
Q17	A courier service calculates the cost of delivering a package based on a fixed handling fee plus a specific rate per kilometer travelled. A customer notices that a delivery over a distance of 15 km costs ₹220, while a delivery over 25 km costs ₹320. If the total cost y depends on the distance x (in km) according to the linear equation $y = ax + b$: Find the values of a and b. Determine the cost of a delivery for a distance of 40 km.
Q18	An architect is designing a straight decorative border for a floor tiling project. To ensure the border is perfectly aligned, she marks specific points on a grid (x,y). Each point represents a corner where the tile colors change. The recorded coordinates are: $(-1,7), (0,5), (1,3), (2,1), (3,-1)$ **Based on the above information, answer the following questions:** (i) Mark these five coordinates on a graph paper and draw the line. (ii)Find the linear equation that represents the decorative border. (iii)Find slope and y-intercept of this line.
Q19	A student has ₹1,200 in a savings account. He decides to withdraw ₹50 every week to cover his transportation costs. **Based on the above information, answer the following questions:** (i) Find the amount of money remaining in the account after 12 weeks. (ii) Make a table of values for t (time in weeks) varying from 0 to 8 weeks to show the remaining balance B. (iii) Find an expression that relates the balance B to the time t, and explain why it represents linear decay.
Q20	A cloud storage server currently has 150 GB of data stored. A backup process is started that uploads additional data at a constant rate of 40 GB every hour. **Based on the above information, answer the following questions:** (i) Find the total amount of data on the server after 8 hours.

	(ii) Make a table of values for t (time in hours) varying from 0 to 5 hours to show the total data D (iii)Find an expression that relates the total data D to the time t, and explain why it represents linear growth.

SUBJECT ENRICHMENT ACTIVITIES

Complete the following activities from prescribed lab manual. You have to include
(i) AIM (ii) PRE REQUISITE KNOWLEDGE (iii) MATERIALS REQUIRED
(iv) PROCEDURE (Write in your own words in a simplified manner),
(v) OBSERVATION (vi) RESULT
Do these activities in your lab file:

(i) To make a square root spiral by using paper folding.
(Refer Activity 2 of lab Manual)

(ii) To obtain the mirror image of a given geometrical figure with respect to x-axis and y-axis.
(Refer Activity 10 of lab Manual)

(iii) To obtain a linear equation and draw a graph which represents the linear equation.
(Refer Activity 11 of lab Manual)

AIL PROJECT

PROJECT DETAILS
Long before satellites and GPS, indigenous trackers of Arunachal Pradesh navigated the dense, mist-laden Himalayan forests using an ingenious mental coordinate system. They would fix a prominent landmark—often a towering mountain peak—as their **Origin**, then map the positions of guiding stars, river crossings, and travel routes relative to it.

In this project, you will **recreate this ancient wayfinding wisdom** on a mathematical Cartesian plane, blending the spatial intelligence of tribal navigators with the precision of coordinate geometry.

Requirement	**Specification**
Format	A4 size sheets, compiled neatly in a project folder.
Text	Project should be **handwritten** with beautiful borders on each page.
Neatness	Use black or blue ink for text; coloured pens/pencils for artwork and highlights
Submission	On or before 10th JULY.

INSTRUCTIONS
PAGE 1: COVER PAGE Design an eye-catching title page including:

- **Project Title:** *The Celestial Wayfinder — Coordinate Geometry in Arunachal Pradesh*
- Student Name, Class & Section, Roll Number
- Subject: Mathematics
- School Name & Session (2026–27)

PAGE 2: ACKNOWLEDGEMENT
PAGE 3: INDEX
PAGE 4: INTRODUCTION TO ART INTEGRATED LEARNING
Write 4–5 lines explaining:

- What is Art Integrated Learning?
- How does combining art with Mathematics deepen understanding?
- Why is connecting cultural heritage with academic subjects meaningful?

PAGE 5: PORTRAIT OF ARUNACHAL PRADESH
Present key facts about the state in **neat bullet points**:

- **Location:** Northeastern India; shares international borders with Bhutan, China, and Myanmar and its capital.
- **Major Tribes:** Adi, Apatani, Nyishi, Monpa, Mishmi, Galo, Tagin (26 major tribes and over 100 sub-tribes)
- **Festivals:** Losar (Monpa New Year), Solung (Adi harvest festival), Myoko (Apatani spring festival), Dree Festival
- **Bamboo Architecture:** Stilt houses built entirely from bamboo and cane, designed for the hilly terrain and heavy rainfall
- **Folk Dances:** Aji Lamu (Monpa), Ponung (Adi), Bardo Chham (Sherdukpen mask dance)
  Visual Element: Paste **2–3 colour photographs** showing:
- Local tribes in traditional attire
- A community festival celebration
- Traditional bamboo architecture or handloom weaving
  Ensure photos are neatly trimmed and captioned.

PAGE 6: THEORETICAL FOUNDATION — COORDINATE GEOMETRY

Define and explain the following terms clearly: **Cartesian Plane (2-D Coordinate System), Origin, Axes, Ordered Pair, Abscissa**, **Ordinate, the Four Quadrants and Sign Conventions:**
Diagram: Draw a labelled Cartesian plane showing all four quadrants, axes, and origin.

PAGE 7: THE WAYFINDER MAP *(*Primary Artwork*)*
This is your **main creative piece**. Create an immersive visual:
Background Scene:

- Draw a **dark night sky** filled with stars (use white/silver gel pen dots)
- Sketch **snowy Himalayan Mountain silhouettes** along the lower portion
- Add subtle details: pine trees, a crescent moon, perhaps the faint glow of a distant village

Mathematical Overlay:

- Using a **ruler and silver or white gel pen**, superimpose a **clean Cartesian grid** over your landscape
- Clearly mark and label the **x-axis** and **y-axis**
- Mark **Mount Gorichen** (Arunachal's highest peak, 6,488 m) at the exact intersection as your **Origin O(0, 0)**
- Label each quadrant: I, II, III, IV

Alternative Option: Paste a **printed outline map of Arunachal Pradesh**, then draw your Cartesian grid cleanly over it with Mount Gorichen as the origin.

PAGE 8: MATHEMATICAL PLOTTING & PROBLEM SOLVING

Part A: Plot the Tracker Outposts

Outpost	Location Name	Coordinates
A	East Valley	(4, 3)
B	North Ridge	(-5, 2)
C	West Swamp	(-3, -4)
D	South Gorge	(2, -5)

On your Page 7 grid (or draw a fresh reference grid here), mark and label these four outposts

Part B: Data Analysis Table

Create and fill in this table:

Outpost	Coordinates , Abscissa (x), Ordinate (y), Quadrant
A	(4, 3)
B	(-5, 2)
C	(-3, -4)
D	(2, -5)

Part C: Problem Solving *(*Show all steps with reasoning*)*

<u>Question 1:</u> Perpendicular Distances

Find the perpendicular distance of Outpost C (-3, -4) from: (a) the x-axis, (b) the y-axis

<u>Question 2:</u> Axis Crossing

If a tracker walks in a straight line from Outpost A (4, 3) to Outpost B (-5, 2), which axis do they cross? Justify your answer with reasoning about the sign change in coordinates.

<u>Question 3:</u> Point on an Axis

A new camp, **Outpost E**, is established exactly on the negative y-axis, 6 units below

the Origin. (a)What are the signs of its coordinates? (b)Write down the exact coordinates of Outpost E.

Question 4: Reflection Across the y-Axis
If a scout team mirrors Outpost A's position across the y-axis, what are the coordinates of this new reflection point? Explain the rule you applied.

Question 5: Identifying by Sign
Which outpost has a **negative abscissa** but a **positive ordinate**? Name the outpost and state its quadrant.

PAGE 9: COLLAGE — GRIDS IN TRIBAL LIFE
Create a **photo collage** demonstrating how grid patterns appear naturally in the traditional life of Arunachal Pradesh.
Paste 3–4 photographs showing:

- **Bamboo mat weaves** with their crisscross patterns
- **Apatani or Adi handloom textiles** with geometric parallel stripes
- **Cane basket weaving** showing radial or rectangular grids
- **Architectural floor plans** of the Tawang Monastery or traditional longhouses **for each image, write a one-line Mathematical caption.** Examples:
- *"The warp and weft threads intersect like perpendicular axes on a Cartesian plane."*
- *"Parallel bamboo strips mirror equidistant horizontal grid lines."*
- *"The monastery's symmetrical layout reflects quadrant-based spatial planning."*

PAGE 10: CONCLUSION & BIBLIOGRAPHY
Conclusion (6–8 lines): Write a reflective paragraph connecting:

- What an ancient tribal way finders used spatial reasoning similar to coordinate geometry
- How the Cartesian system formalizes the same intuitive mapping skills
- The link between traditional indigenous knowledge and modern technologies like GPS
- What you learned by combining art, culture, and mathematics in this project
  Bibliography: List all sources you consulted, format neatly.

Tips to enhance your project work

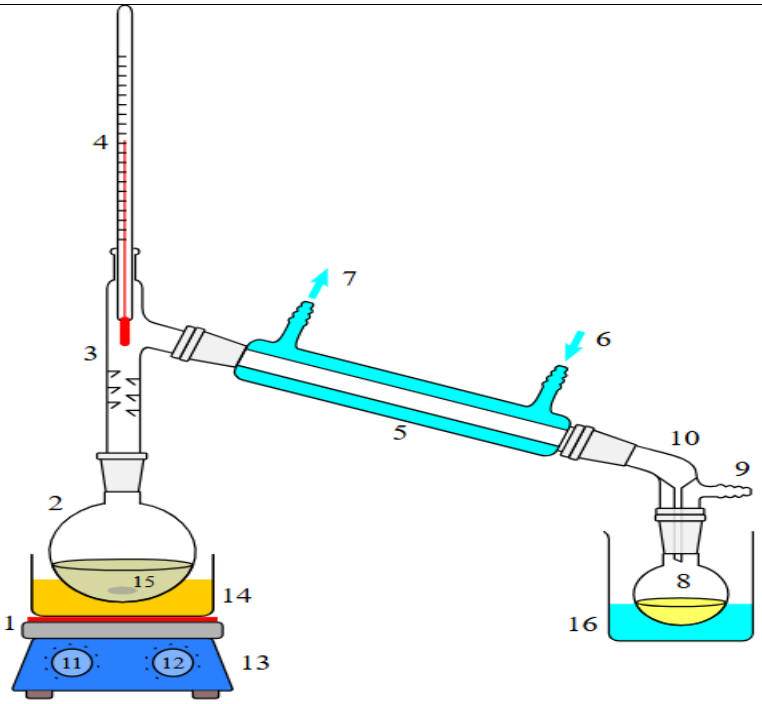
- **Plan before you draw.** Sketch layouts lightly in pencil before committing to ink.
- **Use a ruler** for all straight lines, grids, and table borders.
- **Colour thoughtfully.** A limited palette (2–3 colours per page) often looks more elegant than a rainbow.

SCIENCE

SECTION A – PHYSICS (To be done in physics notebook only)	
1	A car is moving in a speed 50 km/h. Driver applied break for 10 second to stop. Calculate stopping distance and retardation or deceleration.
2	A train is travelling at a speed of 40 km/ h. Brakes are applied so as to produce a uniform acceleration of −0.5 m /s2. Find how far the train will go before it is brought to rest.
3	A train starting from rest attains a velocity of 72 km/h in 5 minutes. Assuming that the acceleration is uniform, find (i) the acceleration and (ii) the distance travelled by the train for attaining this velocity.
4	An object throwing vertically upward with a velocity 30 m/s from the top of a building 100m. Calculate maximum height the object can reach from ground and how long it will take to reach ground.
5	A cyclist goes once round a circular track of diameter 105m in 5 minutes. Calculate his speed.
6	**CASE STUDY** Read the following information and answer the questions based on information and related studied concepts. 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. **Questions:** a. Calculate the acceleration during the first 10 seconds. b. Find the distance covered during acceleration. c. Calculate the distance covered while moving at constant speed. d. Find the deceleration when the boy applies brakes. e. Calculate the distance covered during braking.

SECTION B- CHEMISTRY (To be done in chemistry notebook only)	
Q.1	A cake recipe uses dry ingredients, namely 75 g of sugar for 420 g of all-purpose flour and 5 g of sodium hydrogen carbonate. Express the concentration of each component in the mixture using an appropriate method.
Q.2	A brass alloy contains 70% copper by mass. Calculate the quantities of copper and zinc present in 120 g of brass.

Q3



Based on the diagram, answer the following questions

1) Label the parts numbered (2), (4), (5), and (8) in the diagram.

2) Assertion (A): The thermometer is placed near the distillation head.

Reason (R): It measures the boiling point of the liquid in the flask.

(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

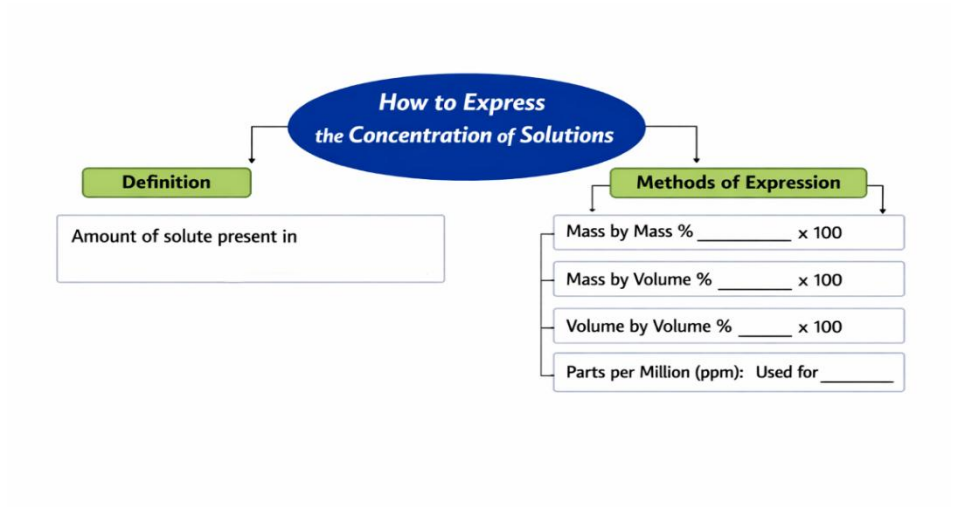
(d) A is false, R is true

3) What is the principle behind simple distillation?

4) Identify the possible mixture labeled 15 in the distillation setup.

Q4 **Complete the following table**

S. No.	Property	Solution	Suspension	Colloid
1.	Nature			
2.	Particle size	Very small (< 1 nm)	Large (> 100 nm)	Intermediate (1–100 nm)
3.	Visibility			Not visible individually
4.	Separation by filtration			Cannot be separated

	5. Settling	Particles settle on standing
	6. Tyndall effect	Present
Q5	**Fill in the Blanks** 1. The maximum amount of a salt that can dissolve in 100 g of water at a given temperature is called its _____. 2. The solubility of most solid salts _____ with increase in temperature. 3. A solution in which no more solute can be dissolved at a given temperature is called a _____ solution. 4. When excess salt is added to water and remains undissolved, the solution formed is said to be _____. 5. The solubility of gases in water generally _____ with rise in temperature.	
Q6	 **Complete the blanks in concept map.**	

SECTION C- BIOLOGY (To be done in biology notebook only)	
1	An egg membrane is selectively permeable. A de-shelled raw egg is placed in corn syrup for 24 hours, and another similar egg is placed in distilled water. (a) What observations will you make in each case? (b) Name the process responsible for these changes. Relate this process to what happens when raisins are placed in water. (c) Why will this process not occur if the egg is boiled before the experiment?
2	A scientist observes a unicellular organism under a microscope. The organism has a cell wall, ribosomes, and circular DNA, but it does not have a nuclear membrane. (a) Identify whether the organism is prokaryotic or eukaryotic. Give two reasons to support your answer. (b) Name any two cell organelles that are absent in this organism.

	(c) In the absence of a nuclear membrane, how is the genetic material arranged in the cell? How does this affect the functioning of the cell?
3	Suppose the cell membrane of a living cell suddenly becomes completely permeable. Explain any three effects this change would have on the survival of the cell.
4	A student says, "The nucleus is important only because it stores DNA." Do you agree with this statement? Justify your answer by explaining at least two functions of the nucleus other than storage of genetic material.
5	How does loss of control over cell division result in the formation of a tumour?
6	Create a concept map for Chapter 2: *Cell – The Building Block of Life* using the following terms: ➢ Cell ➢ Cell membrane ➢ Cell wall ➢ Cytoplasm ➢ Nucleus ➢ Chromosomes ➢ Mitochondria ➢ Ribosomes ➢ Endoplasmic Reticulum ➢ Golgi Apparatus ➢ Lysosomes ➢ Vacuoles ➢ Plastids ➢ Diffusion ➢ Osmosis ➢ Plant Cell ➢ Animal Cell Your concept map should: ➢ show the relationship between structures and functions, ➢ differentiate between plant cells and animal cells, ➢ Include transport processes such as diffusion and osmosis

SOCIAL SCIENCE

Subject Enrichment Activity (5 marks)

Every student has to compulsorily undertake one project on the topics according to the roll number given in the table.

2. **Objective:** The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from interdisciplinary perspective. It should also help in enhancing the Life Skills of the students.

3.Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report. If required, students may use different primary and secondary resources to prepare the project.

4. If possible, ***different forms of Art*** may be integrated in the project work.

5. Use eco-friendly products without incurring too much expenditure.

8. The collage should be ***handmade*** *by the students themselves* on A3 size sheets.

<u>Make a collage on the given topic as per the given format.</u>

GEOGRAPHY	TOPIC NATURAL DISASTER EARTH QUAKE **Roll Nos.** 9 A 1-10 9 B 1-10 9 C 1-10 9 D 1-10 9 E 1-10	Here's a plan for the collage: ● Gather pictures and materials related to your topic (e.g., Natural Disaster Earth quake) ● Divide the A3 sheet into sections or create a central theme ● Use images, drawings, and words to showcase the issue and mitigation strategies ● Get creative with colors, fonts, and layouts! Please mention the following details behind the collage. ● Name ● Class ● Roll no.
	FLOODS 9 A 11-20 9 B 11-20 9 C 11-20 9 D 11-20 9 E 11-20	Here's a plan for the collage: ● Gather pictures and materials related to your topic (e.g., Natural Disaster Earth quake) ● Divide the A3 sheet into sections or create a central theme ● Use images, drawings, and words to showcase the issue and mitigation strategies ● Get creative with colors, fonts, and layouts! Please mention the following details behind the collage. ● Name ● Class ● Roll no.

	LANDSLIDES
	9A 21-30
	9 B 21-30
	9 C 21-30
	9 D 21-30
	9 E 21-30
		Here's a plan for the collage:
		• Gather pictures and materials related to your topic (e.g., Natural Disaster Earth quake)
		• Divide the A3 sheet into sections or create a central theme
		• Use images, drawings, and words to showcase the issue and mitigation strategies
		• Get creative with colors, fonts, and layouts!
		• Please mention the following details behind the collage.
		  • Name
		  • Class
		  • Roll no.

	AVALANCHES
	9 A 31-41
	9 B 31-40
	9 C 31-38
	9 D 31-40
	9 E 31-39
		Here's a plan for the collage:
		• Gather pictures and materials related to your topic (e.g., Natural Disaster Earth quake)
		• Divide the A3 sheet into sections or create a central theme Use images, drawings, and words to showcase the issue and mitigation strategies
		• Get creative with colors, fonts, and layouts!
		Please mention the following details behind the collage. Name
		  • Class
		  • Roll no.

INFORMATION TECHNOLOGY

Q1. Create a digital presentation on the topic (max.10 slides)

- **For Even Roll No.**
  Cyber Safety & My Online Habits
- **For Odd Roll No.**
  Future of Our Digital World

It should include:

- Slogans
- Images/icons
- Safety tips
- Creative borders and colors

Suggested Portfolio Sections

* Cover Page
* Introduction
* Activity Content
* Images/Screenshots
* Personal Reflections
* Conclusion
* Bibliography/Web References

Q2. Create an Infographic on the Topic **Digital India**

It should cover the following points:

- Digital services
- Online education
- UPI payments
- E-governance

Suggested Portfolio Sections

- Cover Page
- Aim/Objectives
- Procedure
- Screenshots/Photos
- Learning Outcomes
- Self Reflection

Note : You can use any software of your choice

Q3. Write any IT term starting from the first letter of the name and explain its meaning.

Note – Do all activities in A4 size white sheet.

Q4. Complete your IT Practical file. It is already uploaded in Edu Next.

ARTIFICIAL INTELLIGENCE

1. Explain any one AI term that start with first letter of your name. Insert relevant image also.
2. **My Personal Experience with AI**

   Describe:

   - Any AI-based app/device you use regularly.

     (Examples: YouTube recommendations, Google Maps, Alexa, Siri, ChatGPT, Instagram filters, online shopping suggestions, facial recognition, etc.)

- How you use it.
- How it helps you in daily life
- Any positive or negative experience related to it
- Insert relevant image.

3. **Future World with AI**
   Activity: Draw or design a futuristic city where AI helps people.
   Show:
   - *AI hospitals*
   - *Robot teachers*
   - *Self-driving cars*
   - *Smart traffic systems*

   Creative Title:
   "Life in 2050 with AI"

Note – Do all activities in A4 size white sheet.

4. **Complete your AI Practical file. It will be uploaded in EduNext.**

FRENCH

On a A4 size sheet make a poster considering the given topic "Zero Tolerance For Corruption**"** and also write 3 to 4 lines about the same.

GERMAN

Q1) Write one sentence using these Verb and also learn the meaning

1. gearbeitet - worked
2. geantwortet - answered
3. gebaut - built
4. bekommen - received
5. besucht - visited
6. gebraucht - needed
7. gedankt - thanked
8. gedeckt - covered
9. erklärt - explained

10. erzählt - told/narrated
11. gefragt - asked
12. geglaubt - believed
13. gehört - heard
14. gekauft - bought
15. gekocht - cooked
16. gelacht - laughed
17. gelebt - lived
18. gelernt - learned
19. geliebt - loved
20. gemacht - made/done
21. geöffnet - opened
22. geredet - talked
23. geregnet - rained
24. gereist - traveled
25. gesagt - said
26. gesammelt - collected
27. gespielt - played
28. getanzt - danced
29. gewohnt - lived/resided
30. gewünscht - wished
31. gebadet - bathed
32. begonnen - begun
33. beobachtet - observed
34. beraten - advised
35. besessen - owned
36. bewundert - admired
37. geblüht - bloomed
38. gedruckt - printed
39. erreicht - reached
40. gefeiert – celebrated

Q2) Learn these word meaning

1. Papier - paper
2. Heft - notebook
3. Rucksack - backpack
4. Schuhe - shoes
5. Hemd - shirt
6. Hose - pants
7. Jacke - jacket
8. Mantel - coat
9. Kleid - dress
10. Rock - skirt
11. Socken - socks

12. Mütze - cap
13. Hut - hat
14. Brille - glasses
15. Uhr - watch
16. Schmuck - jewelry
17. Ring - ring
18. Kette - necklace
19. Armband - bracelet
20. Ohrring - earring
21. Geld - money
22. Kreditkarte - credit card
23. Bank - bank
24. Supermarkt - supermarket
25. Geschäft - store
26. Markt - market
27. Restaurant - restaurant
28. Café - cafe
29. Kino - cinema
30. Theater - theater
31. Museum - museum
32. Park - park
33. Spielplatz - playground
34. Schwimmbad - swimming pool
35. Strand - beach
36. Meer - sea
37. Ozean - ocean
38. Insel - island
39. Wüste - desert
40. Land - country
41. Staat - state
42. Stadt - city
43. Dorf - village
44. Hauptstadt - capital
45. Regierung - government
46. Polizei - police
47. Krankenhaus - hospital
48. Arzt - doctor
49. Denkweise - mindset
50. Eigenschaft - characteristic
51. Einfluss - influence
52. Einstellung - attitude
53. Entdeckung - discovery
54. Entfernung - distance
55. Erfahrung - experience
56. Erinnerung - memory
57. Erlaubnis - permission
58. Erleichterung - relief

59. Ernährung - nutrition
60. Erwartung - expectation
61. Erziehung - upbringing
62. Fähigkeit - ability
63. Fortschritt - progress
64. Geduld - patience
65. Gelegenheit - opportunity
66. Geschwindigkeit - speed
67. Gesundheit - health
68. Gleichgewicht - balance
69. Grenze - border
70. Heirat - marriage
71. Herausforderung - challenge
72. Hoffnung - hope
73. Konkurrenz - competition
74. Kreativität - creativity
75. Kultur - culture
76. Lösung - solution
77. Loyalität - loyalty
78. Meinung - opinion
79. Möglichkeit - possibility
80. Nachricht - news/message
81. Naturwissenschaft - natural science
82. Notwendigkeit - necessity
83. Nützlichkeit - usefulness
84. Öffentlichkeit - public
85. Pflicht - duty
86. Rechnung - invoice/bill
87. Reise - journey

Q3) write 300 words to describe your vacation plans and day to day activity

FINANCIAL MARKETING

Activity no. 1

It is believed that money since its first appearance as early money had a long journey in various forms till it took its final shape as bank notes.

Give a pictorial account of evolution of money giving one example at each stage.

Activity: Money Exchange System and Key Characteristics of Money

Activity no. 2

Evolution of Money Exchange System

Make a flow chart or collage showing the evolution of money:

Barter System → Commodity Money → Metallic Coins → Paper Currency → Plastic Money → Digital Payments

Include pictures/examples of:

* Barter exchange

* Gold/silver coins

* Old Indian currency notes

* Debit/Credit cards

* UPI and mobile banking apps

You may mention services by companies such as Paytm, Phone Pe, and Google Pay.

Activity No. 3

Key Characteristics of Money

Prepare a colorful chart or table explaining the following characteristics of money with suitable examples and pictures.

ART & CRAFT

Section	Topic	Reference pic	Description and reference link
A, B, D, E	Mosaic art	 	Draw or choose a design. Cut small pieces of papers. Apply glue on the base surface. Arrange the pieces to form the design. Let it dry completely. Fill gaps with grout (optional). Clean and finish the artwork. Size A3

C	Clay painting			Draw a simple flower design on the canvas. Shape clay into petals, leaves, and flower parts. Stick the clay pieces onto the canvas using glue. Arrange and press gently to create texture. Let the clay dry completely. Paint and decorate the artwork if needed. https://pin.it/6YYOLVKV0