SCHOOL ANNUAL MAGAZINE CALLING!!!

Dear Students,

Greetings of the day !

The school magazine is gearing up to showcase the creative pursuits of its talented students. Hence, we invite the valuable entries from you for the session 2025-26. You can submit:

1. Self-composed poems, articles, stories, drawings on any topic.

2. Decent jokes and puzzles.

3. Articles (self-composed) on special days that take place throughout the year.

4. You can submit articles/poems on the following topics also:

i) Your favourite music band and why is it special to you.

ii) Write an article stating some of the ways in which children can handle bullying in school. You can share a related story also.

iii) Why Discipline is Critical, It Gives You Natural Power, Increases Potential.

iv) An Unforgettable Act of Kindness: Write about an act of kindness that you did or was done for you.

v) Eco Warriors: Adopt a plant this summer and narrate how you felt taking care of it. (Attach related photographs)

vi) Superheroes Amongst Us: Story of a person around you, who has been a real superhero (especially in recent Indo-Pak Conflict)

vii) Let's Play Sports: Enjoying and learning different games during vacations

viii) Recycling and Upcycling projects: Any project that you took up during the vacations to recycle or upcycle. Please attach the related photographs.

ix) Math Games and Puzzles ϖ Innovative and Easy Kids Recipes

x) The Amazing Word of Animals: Fascinating Facts and Quiz

xi) Reviews and Recommendations of Good Books

Last Date for Submission: July 15, 2025

Email id for sending the content: <u>Lteskks@gmail.com</u>

Kindly keep the following points in mind while submitting your work:

1. Content for the magazine to be emailed on the given email id only.

2. Mention name, class and section properly

3. Mail self- composed articles, poems, stories, puzzles etc. in MS Word format only along with your passport size photo.

4. All pictures and drawings should be mailed in JPEG format.

5. Only one creative work will be accepted per child.

sd. PRINCIPAL , KKCS

Session 2025-26

Points to Remember :

a) Holiday homework should be done on loose coloured pages as per direction given here

English – Pink Social Sc. –Light Grey Hindi–Sky Blue Punjabi– Light Purple Inf. Technology – Light Yellow Science – Light Green Miscll- - White Math-Light Orange

b) Do your work neatly and creatively.

c) Make your assignment attractive with illustrations.

d) This assignment carries 10 marks. These marks will be added in the final Internal assessment scores.



1. Chapter: The Lost Child -(English + Art + Study of Human Behaviour)

Art Activity: Draw and Decorate Human Needs Chart in context with Task1. **Task1**: Study Maslow's Hierarchy of Needs (pyramid) and place the child's desires (toys, sweets, balloon, parents, etc.) at different levels.

Hint: Justify how the child's shift in interest (from material needs to emotional needs, safety needs) reflects these levels.

2. Grammar Topic: Tenses -(English + Art + Communication)

Art Activity: Timeline Comic Strip

Task: Create a comic strip that shows a character's actions in past, present, and future tenses.

Hint: Label each panel with the tense used and the corresponding verb form.

3. Chapter: The Sound of Music - (English + Art + Research)

Art Activity: Instrument Art

Task1–Section A Only : Draw a musical instrument (like the Shehnai or Tabla) and search, study, learn and write the origin of drawn musical instrument and the Indian National Awards and designations given to musicians in the field of music.

Task2- Section B Only : Study – how does meditation improve concentration and inner awareness? What is the "sixth sense"? Is there scientific backing for intuition or extrasensory abilities?

Write the outcome of research in the form of short article (200 - 250 words) titled "Understanding the Sixth Sense" and illustrate it with **Art work** like symbols or sketches (e.g., third eye, energy fields, etc.).

4-Portfolio: Prepare A Portfolio With The Following –

*	Introduction	(1 Page each)
*	My strengths	(1 Page each)
*	I need to improve on	(1 Page each)
*	My achievements	(1 Page each)
*	I have participated in	(1 Page each)
*	The books I have read	(1 Page each)
*	The book I wish to read	(1 Page each)

5-Write two book reviews of the books which you will read during summer vacation

6-Write five descriptive paragraphs on famous personalities and monuments.



WORKSHEET-I- NUMBER SYSTEM

Q 1. Show how $\sqrt{5}$ can be represented on number line? Q2. Find an irrational number between 1/7 and 2/7. Q3. Find 3 different irrational number between the rational numbers. 5/7 and 9/11. Q4. Represent $\sqrt{9.3}$ on number line. Q5. Rationalise the denominator of the following i. 1/√7-2 Q6. Find the value of polynomial p(x)=5x-4x2+3 at x=(-1). Q7. Find the value of k, if x - 1 is a factor of 4x3+3x2+4x+k. Q8. Find the value of k, if x-1 is a factor of p(x) in the case $P(x)=2x2+kx+\sqrt{2}$ Q9. Factorise 12x2-7x+1 Q10. Factorise x3 - 2x2 - x + 2Q 11. Find the decimal expansions of 10/3, 7/8 and 1/7. Q 12. Add $2\sqrt{2}$ + $5\sqrt{3}$ and $\sqrt{2}$ - $3\sqrt{3}$. Q 13. Simplify: $(\sqrt{3}+\sqrt{7})(\sqrt{3}-\sqrt{7})$. Q 14. What is the value of (256)0.16 X (256)0.09? Q 15. Are the square roots of all positive integers irrational? If not, give an example of the square root of a number that is a rational number. Q 16. Classify the following as rational or irrational: V49, V8, 1/3, 0.1010010001. Q 17. State whether the following statements are true or false: (i) Every whole number is a rational number. (ii) Every integer is a rational number. (iii) O is a whole number, but it is not a rational number (iv)Every real number is a rational number. (v)Every terminating decimal is rational. Q 18. Express the following number in the form of p/q: 0.125125125... Q 19. Simplify and express in the form of $a + b\sqrt{2}$: $(3 + \sqrt{2})(2 - \sqrt{2})$ Q 20. Rationalize the denominator of: $(3 + \sqrt{2})/(2 - \sqrt{2})$ Q 21. Classify the following numbers into rational and irrational: √2, -7/5, π, √16, 0.16, √7/3

Q 22. Find a rational number between $\sqrt{2}$ and $\sqrt{3}$.

Q 23. Define and explain the classification of real numbers using a diagram.

Q 24. Represent $\sqrt{2}$ on the number line.

Q 25. Represent $\sqrt{3}$ on the number line

WORKSHEET 2: POLYNOMIALS

Q 1. Calculate the perimeter of a rectangle whose area is $25x^2 - 35x + 12$. Q 2. Find the value of $x^3 + y^3 + z^3 - 3xyz$ if $x^2 + y^2 + z^2 = 83$ and x + y + z = 15. Q 3. If a + b + c = 15 and $a^2 + b^2 + c^2 = 83$, find the value of $a^3 + b^3 + c^3 - 3abc$. Q 4. If (x - 1/x) = 4, then evaluate $(x^2 + 1/x^2)$ and $(x^4 + 1/x^4)$. Q 5. Find the values of a and b so that $(2x^3 + ax^2 + x + b)$ has (x + 2) and (2x - 1) as factors. Q 6. Write the degree of the given polynomials : i) $(2x + 4)^3$ ii) $(t^3 + 4) (t^3 + 9)$ Q 7. Write the coefficient of x4 and x in $4x^3 - 5x^4 + 2x^2 + 3$. Q 8. Find the zeroes of $f(z)=z^2 - 2z$. Q 9. Find the product using suitable identities: (4 + 5x)(4 - 5x). Q 10. What is the value of k in polynomial $x^2 + 8x + k$, if -1 is a zero of the polynomial? Q 11. Show that x + 1 and 2x - 3 are factors of $2x^3 - 9x^2 + x + 12$. Q12. If $a^2 + b^2 + c^2 = 20$ and a + b + c = 0, find ab + bc + ca. Q 13. If $9x^2 + 25y^2 = 181$ and xy = -6, find the value of 3x + 5y. Q 14. Evaluate using identities: i) 7.83 x 7.83-1.17 x 1.17 6.66 ii) 293 - 113 Q Q. Q 15 Simplify: $(x^2 + y^2 - z^2)^2 - (x^2 - y^2 + z^2)^2$ Q 16. Evaluate using identities: i) $(0.99)^2$ ii) 117 x 83 iii) $(a^2 b - b^2 a)^2$ Q 17. Simplify: $(a^{2}-b^{2})^{3} + (b^{2}-c^{2})^{3} + (c^{2}-a^{2})^{3} (a-b)^{3} + (b-c)^{3} + (c-a)^{3}$ Q 18.Let P and Q be the remainders when the polynomials $x^3 + 2x^2 - 5ax - 7$ and $x^3 + 2x^2 - 5ax - 7$ $ax^2 - 12x + 6$ are divided by x+1 and x-2 respectively. If 2P + Q = 6, find the value of а. Q 19.1f f(x) = 5x2 - 4x + 5, find f(1) + f(-1) + f(0). Q 20. By remainder theorem, find the remainder when p(y) is divided by q(y) i) p(y) = $4y^3 - 12y^2 + 5y - 4$ and g(y) = 2y - 1 ii) $p(y) = y^3 - 4y^2 - 2y + 6$ and g(y) = 1 - 13/4 y

WORKSHEET 3: COORDINATE GEOMETRY

Q 1. Plot the points (x, y) given in the following table on the plane, choosing suitable units of distance on the axes.

X	-2	-1	0	1	3
У	8	7	-1.25	3	-1

Q 2. Plot the following points and check whether they are collinear or not:

(i) (1, 3), (- 1, - 1), (- 2, - 3)

(ii) (1, 1), (2, - 3), (- 1, - 2)

(iii) (0, 0), (2, 2), (5, 5)

Q 3. Without plotting the points indicate the quadrant in which they will lie, if

(i) the ordinate is 5 and abscissa is -3

(ii) the abscissa is -5 and ordinate is -3

(iii) the abscissa is – 5 and ordinate is 3

(iv) the ordinate is 5 and abscissa is 3

Q 4. What is the name of the horizontal line in the Cartesian plane?

Q 5 Write the coordinates of the origin.

Q 6 What is the name of the point (-3, 0) called?

Q 7 In which quadrant does the point (-4, 5) lie?

Q 8. Find the coordinates of a point whose abscissa is O and ordinate is -6.

Q 9. Write the abscissa of the point (5, -7).

Q 10 What is the sign of x and y in the third quadrant?

Q 11. Write any two points lying on the y-axis.

Q 12. How many quadrants are there in the Cartesian plane?

Q 13. What is the ordinate of the point (-2, 3)?

Q 14 Plot the points A(1, 2), B(-3, 4), C(-2, -5), D(4, -3). Mention the quadrant of each point.

Q15. A point lies in the fourth quadrant. If its abscissa is 6, write its possible coordinates.

Q16. The coordinates of two points are A(2, 0) and B(0, -3). Which point lies on the x-axis and which on the y-axis?

Q17. Write the coordinates of a point whose abscissa is -3 and which lies on the x-axis.

Q18. Plot points A(2, 3), B(2, -3), C(-2, -3), D(-2, 3). Join them in order. What figure do you obtain?



WORKSHEET -I-"दो बैलों की कथा" -निम्नलिखित प्रश्नों के उत्तर लिखिए।

प्रश्न 1: कहानी का सारांश अपने शब्दों में लिखिए। प्रश्न 2: हीरा और मोती के चरित्र की तुलना कीजिए। प्रश्न 3: झुरी और गया के व्यवहार में क्या अंतर है? प्रश्न 4: "दो बैलों की कथा" का शीर्षक उपयुक्त क्यों है? प्रश्न 5: कहानी से हमें क्या शिक्षा मिलती है? प्रश्न 6: स्वतंत्रता का महत्व कहानी में कैसे दर्शाया गया है? प्रश्न 6: स्वतंत्रता का महत्व कहानी में कैसे दर्शाया गया है? प्रश्न 8: बैलों के दृष्टिकोण से कहानी का सारांश लिखिए। प्रश्न 9: कहानी में मानवीय मूल्यों और जागरूकता को कैसे प्रस्तुत किया गया है? प्रश्न 10: झुरी की पत्नी और छोटी बच्ची के चरित्र में क्या अंतर है? WORKSHEET -II-साखियाँ और सबद से जुड़े अतिरिक्त प्रश्नों के उत्तर लिखिए।

- साखी और सबद में अंतर क्या है?
- कबीर ने साखियों में क्या बताया है?
- सबद में कबीर क्या कहना चाहते हैं?
- कबीर का ईश्वर के बारे में क्या विचार है?
- कबीर ने संसार को कैसा बताया है?.
- कबीर के अनुसार सच्चा संत कौन है?
- कबीर ने उच्च कुल के बारे में क्या कहा है?
- कबीर ने प्रेम के बारे में क्या कहा है?
- कबीर ने हंसों की तरह जीवन का क्या संदेश दिया है?
- कबीर ने ईश्वर को "सब स्वाँसों की स्वाँस में" क्यों कहा है?

WORKSHEET -III- उपसर्ग

- I- निम्न शब्दों को उपसर्ग + मूल शब्द रूप में लिखिए
- 1. बावजूद, निस्संकोच
- 2. वाकायदा, प्रतिक्षण
- 3. प्रहार, अनभिज्ञ
- 4. दुर्भाग्य, अधखिला
- 5. सुरक्षा, आशंका
- 6. दुर्वचन, सद्गति
- 7. आग्रह, विगत
- 8. निराधार, प्रतिद्वंद्वी
- 9. निश्चल, चिरायु
- 10.परिवर्तन, उपस्थित
- 11.विशिष्ट, लाजवाब
- १२.सुयश, उत्पाद
- 13. संयोग, प्रगति
- 14.उपहार, बेजान
- 15. उद्घाटन, निश्चय
- 16. अतिरिक्त, सत्कार
- 17. धार्मिक, खुशमिज़ाज़
- १८. विचित्र, प्रतिशत
- 19. लाइलाज सत्कार
- 20. अनुसंधान प्रत्युत्तर
 II- निम्नलिखित उपसर्गों से दो-दो शब्दों की रचना कीजिए
 1. अति
 2. उप
 3. प्रति
 3. प्रति
 4. सम
 5. ला
 6. हम
 7. बे
 8. पुनर
 9. दुस्

10.परि
11.釽
12.सामाजिक
13.अध
14.वि
WORKSHEET -IV- प्रत्यय
।- निम्न शब्दों को मूल शब्द + प्रत्यय रूप में लिखिए
1. द्रवित
2. नम्रता
3. ईश्वरीय
4. सुंदरता
5. मनुष्यत्व
 उत्साहित
7. देनदार
8. निचली
9. महँगाई
10.आकर्षित
11.रुकावट
12.सामाजिक
13.स्वाधीनता
१४.अंकित
15.शासकीय
16.मलिन
17.चिंतित
18.सृजित
॥- निम्नलिखित प्रत्ययों से दो-दो शब्दों की रचना कीजिए 1. आई
2. ता
3. दार
4. ईय
5. त्व

6. मान
7. कार
8. इक
9. ई
10.पन
11.आपा
12.आलु
13.आहट
14.इत
15.आस
16.इमा

PROJECT WORK

भारत की इन 4 महान महिलाओं इन्दिरा गाँधी, आरती साहा , पी.टी. उषा, किरण बेदी में से किसी एक पर सचित्र सभी पहलुओं पर एक जीवनी लेख तैयार करो। Section -A- इन्दिरा गाँधी अथवा आरती साहा Section-B- पी.टी. उषा अथवा किरण बेदी



CHAPTER- MOTION

- 1. Define average speed.
- 2. Define average velocity.
- 3. What do you mean by uniform motion?

4. A man travels at a constant speed of 10 m/s from a point A to B. While returning from

B to A he travels at a constant speed of 20 m/s. Find his average speed in the entire journey. 5. Suppose a truck travels 60 km in the 1st hour and then 80 km in the 2nd hour. What

is the average speed of the truck?

6. Suppose a bus travels at a speed first 240 km at a speed of 80 km/h and next 320 km at a speed of 90 km/h. Find its average speed.

- 7. A car is travelling at a speed of 90 km/h. Find its speed in the unit "m/s".
- 8. Distinguish between speed and velocity (2 points).
- 9. What are the conditions for an object to be moving with uniform velocity?

10. A car is moving at a uniform speed of 40 km/h in a circular path. Can we say it is also moving with uniform velocity? Explain.

11. An old man went for a morning walk in a circular path of radius R around a park. He stopped to take some rest after covering 3/4th of the circular path from his starting point. Draw a diagram to find the ratio of his distance to the displacement travelled.

12. A person is walking in a circular path of radius 7 m starting from a point A. He stops at B on the path after travelling 3/4th length of the circumference. Find its distance and displacement.

13. A girl starting from her home went straight towards south for a distance of 10 m then turned left and walked for 10 m; she turned right again to walk for another 10 m and finally took another left turn and walked for 10 m to reach an ice cream shop. Draw a diagram to find her distance and displacement along with direction. 14. A ladder is fixed vertically at the corner edge of a cubical room where the two walls meet outside the room. The side length of the cubical room is of 4 m. A boy climbed the ladder, went to the roof and walked straight towards the opposite corner diagonally. Draw a diagram to find out his displacement.

15. A driver drove his car in a straight path for a distance of 10 m towards north and turned it back to drive for 25 m in the opposite direction. If he took 2 sec and 5 sec respectively to travel this distances, then find his average distance and average velocity in the duration by drawing a diagram.

16. A driver achieved a velocity 54 km/h of his car starting from rest in 5 sec. What was the acceleration of his car?

17. What is average velocity?

18. A train moving with an initial velocity of 100 m/s reaches its destination at 150 m/s. What will be its average velocity?

19. The driver of the truck drives 20 m down the road in 5 minutes. He then backed away and drove

12 m back down the road in 3 minutes. What is the Average Velocity?

20. A man walked 10 meter towards north in 6 second, then turned to his right and walked for another 10 meter in 4 second. Find his average speed and average velocity. Class IX Diagram Based Activity (Physics):

1. A man walked 10 m towards North, then turned his right and walked for another 10 m. Draw the diagram to find his distance and displacement (value only).

2. A man was jogging in circular park of radius 14 m. He stops after taking two and half round of the park. Draw the diagram to find his distance and displacement (value only).

3. A body moves with a velocity of 2m/s for 5s then its velocity increases to 10m/s in the next 5 seconds. Thereafter its velocity begins to decrease at a uniform rate until it comes to rest after 10 seconds.

(a) Plot a velocity-time graph for the motion of the body.

(b) Use graph to find the distance covered by the body in last 10s.

CHAPTER- MATTER IN OUR SURROUNDINGS

1. State the characteristics of particles of matter. Write an activity which explains the particles of matter are very tiny.

2. Though density of solids is more than liquids yet ice floats on water. Explain the reason.

- 3. What is the difference between evaporation and boiling?
- 4. Why does temperature remain constant at m.p and b.p of any substance?
- 5 What is evaporation? Mention the factors affecting the rate of evaporation.
- 6. Describe an activity to show that particles of matter are constantly moving.
- 7 Differentiate solid liquid and gases on the basis of a) KE b) compressibility c) density
- 8. Convert the following

a) -1150C to K b) 2880C to K c) 315K to OC d) O K to OC

9. Identify the phenomenon

- a) Heating of Ammonium chloride
- b) Mixing and spreading of food colour in water
- c) Appearance of water droplets on the surface of glass containing ice cubes.

10. Why does steam cause more severe burn than boiling water?

- 11. Classify the following into osmosis/diffusion:
- (a) Swelling up of a raisin 9n keeping in water.
- (b) Spreading of virus on sneezing.
- (c) Earthworm dying on coming in contact with common salt.
- (d) Shrinking of grapes kept in thick sugar syrup.
- (e) Preserving pickles in salt.
- (f) Spreading of smell of cake being baked throughout the house
- (g) Aquatic animals using oxygen dissolved in water during respiration.

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

13. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam gushing out of the spout of the kettle. She wondered whether the temperature of the steam was higher than that of the water boiling in the kettle. Comment.

14. (a) Conversion of solid to vapour is called sublimation. Name the term used to denote the conversion of vapour to solid.

(b) Conversion of solid state to liquid state is called fusion; what is meant by latent heat of fusion?

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

16. It is a hot summer day, Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?

17. You want to wear your favourite shirt to a party, but the problem is that it is still wet after a wash. What steps would you take to dry it faster?

18. Comment on the following statements:

(a) Evaporation produces cooling.

(b) Rate of evaporation of an aqueous solution decreases with increase in humidity.

(c) Sponge though compressible is a solid.

19. Why does the temperature of a substance remain constant during its melting point or boiling point?

20. "Osmosis is a special kind of diffusion". Comment.

Diagram based questions for MA

(I).Describe the interconversion of states of matter with the help of a diagram.

(II). Draw a labelled diagram to show the process of sublimation.

CHAPTER- FUNDAMENTAL UNIT OF LIFE

1. Which of these sentences are not a function of the Ribosome?

(I) It helps in the manufacture of protein molecules.

(11) It helps in the manufacture of enzymes.

(III) It helps in the manufacture of hormones.

(IV) It helps in the manufacture of starch molecules.

Options: (a) (1) and (11) (b) (11) and (111) (c) (111) and (1V) (d) (1V) and (1) 2. Which cell organelle plays a crucial role in detoxifying many poisons and drugs in a cell?

(a) Golgi apparatus	(b) Lysosomes
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(c) Smooth endoplasmic reticulum (d) Vacuoles

3. A cell will swell up if:

(a) The concentration of water molecules in the cell is higher than the concentration of water molecules in surrounding medium.

(b) The concentration of water molecules in surrounding medium is higher than water molecules concentration in the cell.

(c) The concentration of water molecules is same in the cell and in the surrounding medium.

(d) Concentration of water molecules does not matter.

4. Which of these is not related to endoplasmic reticulum?

(a) It behaves as a transport channel for proteins between nucleus and cytoplasm.

(b) It transport materials between various regions in cytoplasm.

(c) It can be the site of energy generation.

(d) It can be the site for some biochemical activities of the cell. A

5. The undefined nuclear region of prokaryotes are also known as:

(a) Nucleus (b) Nucleolus (c) Nucleic acid (d) Nucleoid

6. Which of the following are covered by a single membrane?

(a) Mitochondria (b) Vacuole (c) Lysosome (d) Both (b) & (c)

7. The proteins and lipids, essential for building the cell membrane, are manufactured by

- (a) Endoplasmic reticulum (b) Golgi apparatus
- (c) Plasma membrane (d) Mitochondria K

8. Select the odd one out.

(a) The movement of water across a semi permeable membrane is affected by the amount of substances dissolved in it.

(b) Membranes are made of organic molecules like proteins and lipids.

(c) Molecules soluble in organic solvents can easily pass through the membrane.

(d) Plasma membranes contain chitin sugar in plants. In the following questions

9 and 10, a statement of assertion (A) is followed by a statement of Reason (R). Choose the correct answer out of the following choices.

(a) Both the Assertion and the Reason are correct and the Reason is the correct explanation of the Assertion.

(b) The Assertion and the Reason are correct but the Reason is not the correct explanation of the Assertion.

(c) Assertion is true but the Reason is false.

(d) Assertion is false but the Reason is true.

Assertion (A): Multicellular organisms have higher survival rate than unicellular organisms. Reason (R): In Multicellular organism, dead cells are replaced by new cells.
 Assertion (A): Lysosomes are known as suicidal bag of cells. Reason (R): Lysosomes contain powerful enzymes capable of breaking down all organic material.

11. In Biology practical class, the teacher asked Renuka and Sahil to keep the onion peel and RBC in two different beakers of hypotonic solution. Renuka noticed that the onion peel swelled while Sahil witnessed the RBCs explode quickly. Why did this happen? Give reason by supporting the activity performed by both of them.

12. (a) Name the two organelles in a plant cell that contain their own genetic material and ribosomes.

(b) If you are provided with some vegetables to cook, you generally add salt into vegetables during the cooking process. After adding salt, vegetables release water. What mechanism is responsible for this?

13. Apical meristem is a type of tissues that helps plants grow in length. Tina took two identical potted plants and cut the shoot tip of one of them. She observed if the two plants grew in height after a week. What was Tina trying to find out about shoot tips through her experiment?

14. Why does the skin of your finger shrink when you wash clothes for a long time?15. Give reasons: (a) Mitochondria is called as the 'Powerhouse of the cell'.

(b) Vacuoles act as storage sacs inside a cell.

(c) Why lysosomes are called suicidal bags of the cell?

16. (a) Write two points of difference between nuclear region of a bacterial cell and nuclear region of an animal cell.

(b) Which structure present in the nuclear region of a living cell bear genes?

17. How does Amoeba take its food?

18. (a) Draw the structure of a plant cell and label the part which:

(i) have cisternae-like structures for transport and synthesis.

(ii) is a place where most biochemical reactions occur.

(iii) packages and delivers the material synthesised in a cell.

(iv) acts as a kitchen of the cell.

(b) Also differentiate this cell from an animal cell based on:

(i) Outer membranes (ii) Presence of centrioles

19. Read the following information and answer the questions based on information and related studied concepts. A membrane surrounds each cell, separating its contents from the outside world. To sustain their sophisticated structure and function, large and complex cells, such as those seen in multicellular animals, require a lot of chemical activity. These cells use membrane-bound tiny structures within themselves to keep different kinds of activities apart from one another. The cytoplasm is a jelly-like fluid that fills the space between the plasma membrane and the plasma membrane's outer layer, and it includes a variety of specialised cell organelles. Endoplasmic reticulum, Golgi apparatus, Lysosomes, Ribosomes, Nucleus, Chloroplast, Mitochondria, and Plastids are some of the organelles found in cells. For the cell, each of these organelles has a distinct purpose. An electron microscope is required to see some of these organelles. They're significant since they play a key role in cell function.



(a) Name any five cell organelles.

(b) Name the jelly-like fluid substance present in cells.

(c) What name is given to the functional segments of DNA? What is the function of these functional segments?

20. Read the given passage and answer the questions that follow based on the passage and related studied concepts. Camilo Golgi was the first to define the Golgi apparatus, which consists of a system of membrane-bound vesicles (flattened sacs) stacked almost parallel to each other called cisternae. These membranes are frequently coupled to the ER membranes, making up a complicated cellular membrane system. The Golgi apparatus packages and transports the material synthesised near the ER to numerous targets inside and beyond the cell. Storage, modification and packing of objects in vesicles are among its functions. Complex sugars can be produced from simple sugars in the Golgi apparatus in some instances. The development of lysosomes is also aided by the Golgi apparatus.



(a) What will happen if the organelle shown above is removed? (2) (b) Name the cell organelle which has (i) Cristae (ii) Cisternae (1) (c) What is the importance of cell sap present in vacuoles of plant cell? (1)

PROJECT WORK

Section-A

Rainwater Harvesting Model:

Design a model showcasing a rainwater harvesting system to collect and store rainwater for later use

Section-B

Solar Water Purifier:

Build a model to demonstrate how solar energy can be used to purify water, addressing the importance of clean water.



CHAPTER -FRENCH REVOLUTION

- 1. Explain role of philosophers in bringing about the French Revolution?
- 2. Examine the factors that led to the French Revolution.
- 3. How did France Become a Constitutional Monarchy?

4. What laws did the revolutionary government introduce to improve the lives of women?

5. Describe Why the period of 1793-1794 is called as reign of terror? Explain a few steps taken by Jacobin/Robespierre during this time.

- 6. Write a note on Triangular slave trade.
- 7. Explain the legacy of the French revolution.
- 8. Write a note on the tennis court oath incident?
- 9. Explain reasons of the Subsistence crisis.

10. Write a note on downfall of Bastille fort.

CHAPTER - WHAT IS DEMOCRACY? WHY DEMOCRACY ?

- 1. "Pakistan under General Musharraf should not be called a democracy." Explain
- 2. Describe arguments for democracy(MERITS)

3. Write Why is Fiji, Estonia, Saudi Arabia not truly democratic countries? State reasons.

4. Explain Why Zimbabwe under the rule of Mugabe cannot be called a democratic country?

- 5. "Even democracy has a fair share of demerits"? Point out five such demerits.
- 6. How Democracy does improve the quality of decision-making?
- 7. Explain Democracy does provide a method to deal with differences and conflicts.
- 8. Write how does Democracy enhance the dignity of citizens?

9. "Democracy is better than other forms of government because it allows us to correct its own mistakes". Justify the statement.

10. "A democratic government is a better government because it is a more accountable form of government." Explain the statement taking the help of how India and China responded the famine of 1958–1961 which was the worst recorded famine in world history?

CHAPTER "THE STORY OF VILLAGE PALAMPUR"

1. Imagine you are starting a new eco-friendly bag-making startup in your village. To make it successful, you need to think about the factors of production.

What land or space would you use for your factory?

How would you gather the labour force, and what skills would they need?

 What capital (machines, tools, or materials) would you require to manufacture the bags?

 How would you combine these resources efficiently to create high quality, affordable bags?

 Write a small advertisement promoting your bags and why people should buy them.

2. Imagine a day in the life of a rural artisan crafting pottery in a village. Write about their struggles and joys.

3. Write a fictional dialogue between a farmer from the 1960s and a government official discussing Green Revolutionary policies.

4. How can education help reduce unemployment? What kind of education system would ensure better job opportunities?

5. What role does entrepreneurship play in reducing unemployment? Can you think of a business idea that could create jobs for many people?

6. Does technology lead to unemployment, or does it create new job opportunities? Why?

7. Why did Japan emerge as a developed country despite its poor natural resources?



Picture 2.3 Based on the picture can you classify these activities into three sectors?

Based on the picture given above, answer the questions. 8, 9 and 10.

8. Classify the various activities in the primary, secondary, and tertiary sectors based on the provided picture.

9. Factories often release smoke into the air (secondary sector). Can you think of an environmentally friendly solution to reduce pollution while still maintaining production?

10. How do transportation and trade (tertiary sector) contribute to economic growth? Can you think of a new method of global trade that could be faster and cheaper?

CHAPTER "NATURE AND SCOPE OF HUMAN GEOGRAPHY DISTRIBUTION" PROJECT WORK –

Section-A-Prepare a PPT of at least 15-20 slides on topic "HUMAN GEOGRAPHY-NATURE AND SCOPE"

CHAPTER "DENSITY AND GROWTH OF POPULATION IN WORLD

Section-B- Prepare a Project in the PPT format of at least 15-20 slides on topic DENSITY AND GROWTH OF POPULATION IN WORLD covering following aspects

1. Population Density:-shall include Definition, Global Distribution and Factors influencing density

2. Population Growth: shall include Definition, Global Trends, Factors influencing growth, Regional Variations

3. Population Composition: shall cover Age structure, Sex ratio, Ethnic and religious composition

4. Impacts of Population Density and Growth: shall cover Environmental, Social:, Economic Political



Based on chapter Communication Skill answer following questions I. Multiple Choice

- 1- Which of the following is an example of nonverbal communication?
- a) Speaking clearly b) Writing a letter
- c) Using a hand gesture d) Reading a book
- 2- What does "active listening" mean?
- a) Just hearing the speaker
- b) Paying close attention and understanding the message
- c) Talking to someone d) Not paying attention to the speaker
- 3- What is a key element of effective verbal communication?
- a) Being vague and unclear b) Using simple language
- c) Using complex language d) Not using any language at all
- 4- What is the importance of eye contact in communication?
- a) It's not important in communication
- b) It shows disrespect c) It can show engagement and sincerity
- d) It is not important in most situations
- 5- Which of the following is an example of a barrier to communication?
- a) Speaking clearly b) Using a hand gesture
- c) Not understanding the language
- d) Using a lot of eye contact
- 6-. What is the purpose of communication?
- (a) Inform (tell someone about something)
- (b) Influence (get someone to do something you want)
- (c) Share thoughts, ideas, feelings
- (d) All of the above

7-Which of the following methods are used to receive information from the sender through a letter? (a) Listening (b) Speaking (c) Reading (d) Writing 8-How do you receive information on phone? (c) Reading (a) Listening (b) Speaking (d) Writing 9-Choose the correct example of oral communication. (a) Reports (b) Newspapers (c) Face-to-face conversation (d) Notes 10-When we communicate verbally, we should use _____. (b) simple words (a) difficult words (c) confusing words (d) abbreviations 11-Which of these sentences use uppercase letters correctly? (b) Divya and sunil are reading. (a) I am Hungry. (c) The bucket is Full of water. (d) She lives in Delhi. 12-Which of these sentences has both indirect and direct objects? (a) I am watching TV. (b) She bought a blue pen. (c) The girls played cricket. (d) He wrote his sister a letter. 13-What is phonetics? (a) It is the study of how we write words in English. (b) It is the study of how people understand sentences. (c) It is the study of how many words the English language has. (d) It is the study of the sounds we make when we speak II. Short Answer Questions 1. Explain the difference between verbal and nonverbal communication. 2. What are the benefits of being concise and clear in your communication? 3. Why is it important to understand different communication styles? 4. Give an example of a time when you used active listening effectively. 5. What are some common barriers to communication, and how can they be overcome? III. Activity - Imagine you are explaining a difficult concept to a classmates. What are some strategies you would use to ensure they understand?



ਨੋਟ- ਵਿਦਿਆਰਥੀ ਹੇਠ-ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਨੂੰ ਧਿਆਨ ਵਿੱਚ ਰੱਖਦਿਆਂ ਹੋਇਆਂ ਇੱਕ ਫਾਇਲ ਤਿਆਰ ਕਰਨਗੇ। ਫਾਈਲ ਦੇ ਅਰੰਭ ਵਿੱਚ ਵਿਦਿਆਰਥੀ ਹੇਠ ਲਿਖੀ ਜਾਣਕਾਰੀ ਦੇਣਗੇ:

ਨਾਂ*,* ਜਮਾਤ..... ਸਕੂਲ ਦਾ ਨਾਂ ਸੂਚੀ ਪੱਤਰ (Index) ਫਾਇਲ ਨੂੰ ਰੰਗੀਨ ਕਵਰ ਨਾਲ ਸਜਾਇਆ ਜਾਵੇ। 1 ਵਿਦੇਸ਼ ਜਾਣ ਦੀ ਦੌੜ ਵਿਸ਼ੇ ਤੇ ਚਿੱਤਰਾਂ ਸਹਿਤ 3-4 ਪੇਜਾਂ ਦਾ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ। ਸਮੱਗਰੀ (Content) ਜਾਣ-ਪਛਾਣ ਸਹੀ ਮਿਹਨਤਾਨਾ ਬੇਰੁਜ਼ਗਾਰੀ ਸ਼ੋਹਰਤ ਕਾਇਮ ਰੱਖਣੀ ਭਵਿੱਖ ਦੀ ਸੁਰੱਖਿਆ ਵਿਦੇਸ਼ਾਂ ਵਿੱਚ ਜਾਣ ਦੀ ਮਜਬੂਰੀ ਮਾਨਸਿਕ ਸੋਚ ਆਰਥਕ ਸ਼ੋਸ਼ਣ ਸਾਰਾਂਸ਼ ਪ੍ਰਸ਼ਨ-2 ੳ,ਅ,ੲ,ਸ,ਹ ਅੱਖਰਾਂ ਤੋਂ ਸ਼ੁਰੂ ਹੋਣ ਵਾਲੇ 5-5 ਮੁਹਾਵਰੇ ਲਿਖੋ। ਪ੍ਰਸ਼ਨ-3 ਭਾਈ ਵੀਰ ਸਿੰਘ ਜੀ ਦੇ ਜੀਵਨ ਕਾਲ ਬਾਰੇ ਜਾਣਕਾਰੀ ਇਕੱਠੀ ਕਰਕੇ ਲਿਖੋ। ਨੋਟ: ਜਿਹਨਾਂ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪੰਜਾਬੀ ਲਈ ਲਿਖਾਈ ਚੰਗੀ ਨਹੀਂ ਹੈ ਜਾਂ ਸ਼ਬਦ ਜੋੜਾਂ ਦੀਆਂ ਗਲਤੀਆਂ ਜ਼ਿਆਦਾ ਹੁੰਦੀਆਂ ਹਨ, ਉਹ ਆਪਣੀ ਪੰਜਾਬੀ ਸੁਧਾਰਨ ਲਈ ਵਿਸ਼ੇਸ਼ ਯਤਨ ਕਰਨ।

केवल अविभ्रावकों के लिए

प्रिय अविभावक,नमस्कार आप से बिनम अनुरोध है कि नीचे आपके बच्चे के दैनिक जीवन से जुड़ी कुछ अच्छी आदतें दी गई हैं। क्या आपका बच्चा अपने दैनिक जीवन में इन अच्छी आदतों का अनुसरण / पालन करता है । कृपया हां / ना में उत्तर दें।

 क्या आपके बच्चे ने सुबह उठकर सबसे पहले अपने बड़ों का अभिवादन किया? 	1
2. क्या आपके बच्चे ने दंतधवान एवं नित्य क्रिया से निवृत्त होकर ॐ का उच्चारण किया?	2
3. क्या आपका बच्चा अपने से बड़ों का सम्मान करता है?	3
4. क्या आपका बच्चा हमेशा सच बोलता है?	4
 क्या आपका बच्चा अपना गृहकार्य समय पर पूरा करता है? 	5
6. क्या सभी के साथ आपके बच्चे का व्यवहार अच्छा होता है?	6
7. आपका बच्चा अपने छोटो से प्यार करता है?	7
8. आपके बच्चे ने कभी किसी का मज़ाक उड़ाया है?	8
9. क्या आपका बच्चा ज़रूरत मंद की सहायता करता है?	9
10.क्या आपका बच्चा मेहनती है?	10
11.क्या वो हमेशा प्यार से बातें करता है?	11
12.क्या आपका बच्चा बड़ों के बीच बोलता है?	12
13.क्या वो दूसरे की वस्तुएँ पूछ कर लेता है ?	13
14.क्या आपका बच्चा दूसरों के ऊपर कॉमेंट्स पास करता है और मज़ाक बनाता है?	14
15.दूसरे द्वारा आपके बच्चे को कोई वस्तु दिए जाने पर क्या वो उसको धन्यवाद करते हैं?	15
16.आपका बच्चा अपनी कितावें व्यवस्थित करके रखता है?	16
17.क्या वह सुबह समय पर उठता है?	17
18.क्या उसके पढ़ाई करने का समय निश्चित है?	18
19.क्या वह गलती करने पर माफ़ी माँगता है?	19
20.क्या वह दूसरों के काम में दख़ल देता है?	20
21.क्या वो बाहर की चीज़ें खाना ज़्यादा पसंद करता है?	21
22.क्या वह अपने से बड़ों की बातें मानता है?	22
23.क्या वह घर के कामों में अपनी मम्मी की सहायता करता है?	23
24.क्या वह किसी से द्वेष भावना रखता है?	24
25.क्या वह अपने काम के प्रति ईमानदार है?	25
26.क्या वह दिन में दो बार ब्रुश करता है?	26
27.खाना खाने से पहले व खाना खाने के बाद हाथ साबुन से अच्छी प्रकार से धोता है?	27
28.क्या वह अपने नाखूनों को साफ़ रखता है?	28
29.क्या आपका बच्चा सुबह का नाश्ता सही समय पर करता है?	29
30.क्या आप का बच्चा पौष्टिक भोजन करता है?	30