



**THE ASIAN SCHOOL, DEHRADUN**  
**HOMEWORK FOR WINTER VACATION 2025 CLASS IX**

**English:**

**Write on the following topics.**

1. You realised today that being "strong" doesn't always mean staying silent.

Write a diary entry in 120 words reflecting on this realisation.

2. Write a short story. Begin your story with: "Everyone walked past him, but I stopped."

3. In 120 words write a descriptive paragraph. Describe a person you notice every day but have never spoken to.

4. Read the following two stories and write the message conveyed by each.

The Beggar and The House is not a Home

**Prepare the following topics for ASL**

1. Is social media helping or harming teenagers?

2. What is one stereotype about teenagers that you want to break?

3. How can we make classrooms more inclusive?

4. What's a habit you're trying to change this year?

5. Does music help you study or distract you?

6. If you could invent one new subject, what would it be?

**Hindi:**

1. अनुच्छेद लेखन—

भारतीय समाज पर पाश्चात्य संस्कृति का प्रभाव- संकेतबिंदु: • भूमिका, पाश्चात्य संस्कृति का अनुकरण, भारतीय समाज पर प्रभाव, दुष्प्रभाव

2. गुरु-शिष्यसंबंध- संकेतबिंदु: भूमिका, प्राचीन परंपरा, वर्तमान स्थिति, गुरु शिष्य के संबंध कैसे होने चाहिए, उपसंहार

2. पत्र लेखन—

(अनौपचारिक)- आप विजय/विजया हैं। आप नई दिल्ली के निवासी हैं। आपको यह जानकर बहुत दुख हुआ कि आपका मित्र नवी कक्षा में अनुत्तीर्ण हो गया। आप जानते हैं कि उसे इससे अधिक निराशा हुई है, लेकिन अब उन्हें प्रयास करने, अपनी कमियों का अवलोकन कर उन्हें दूर करने और अगले वर्ष प्रथम श्रेणी में उत्तीर्ण होने का दृढ़ संकल्प कराते हुए उन्हें लगभग 100 शब्दों में पत्र लिखिए।

(औपचारिक)- आप तरुण हैं। अपने क्षेत्र में चुनावी नारों और पोस्टरों से हो रही असुविधाओं का उल्लेख करते हुए किसी लोकप्रिय दैनिक समाचार पत्र के संपादक को लगभग 100 शब्दों में पत्र लिखिए।

3. सूचनालेखन—

गांधी स्मारक निधि की ओर से अक्टूबर के पहले सप्ताह में विद्यालय में भाषण और कविता प्रतियोगिता का आयोजन किया जा रहा है। कक्षा 6 से लेकर 12 तक के कक्षा के विद्यार्थियों को इस जानकारी से अवगत कराने हेतु एक सूचना लगभग 60 शब्दों में तैयार कीजिए

4. ईमेल-लेखन—

जिलाधिकारी को 80 शब्दों में एक ईमेल लिखते हुए अपने क्षेत्र की खाद्य वितरण सामग्री के वितरक के विरुद्ध शिकायत कीजिए।

5. समास—

व्याकरण पुस्तिका में दिए गए समास के भेदों के पांच पांच उदाहरण समास विग्रह के साथ लिखिए।

6. अलंकार—

शब्दालंकार के सभीभेदों के पाँच-पाँच उदाहरण लिखिए।

निर्देश—1.(अवकाश कार्य गृहकार्य पुस्तिका में किया जाएगा)

2.सम्पूर्ण कार्य आन्तरिक मूल्यांकन के अन्तर्गत जाँचा जायेगा।

## MATHEMATICS :

PART-(1) SOLVE THE UT-2 QUESTION PAPER IN THE MATHEMATICS CLASS-WORK NOTEBOOKS.

PART-(2) FOLLOWING WORKSHEETS TO BE SOLVED IN THE MATHEMATICS CW NOTEBOOKS

### POLYNOMIALS

Q1 Calculate the value of  $9x^2 + 4y^2$  if  $xy = 6$  and  $3x + 2y = 12$ .

Q2 Without any actual division, prove that the following  $2x^4 - 5x^3 + 2x^2 - x + 2$  is divisible by  $x^2 - 3x + 2$ .

Q3 Using the Factor Theorem to determine whether  $g(x)$  is a factor of  $p(x)$  in the following case  $p(x) = 2x^3 + x^2 - 2x - 1$ ,  $g(x) = x + 1$

Q4 If the two  $x - 2$  and  $x - \frac{1}{2}$  are the given factors of  $px^2 + 5x + r$ , show that  $p = r$ .

Q5 Observe the value of the polynomial  $5x - 4x^2 + 3$  at  $x = 2$  and  $x = -1$ .

Q6 Expand  $(x + 2y + 4z)^2$  using suitable identities.

Q7  $2x^2 + y^2 + z^2 - 2\sqrt{2}xy + 4\sqrt{2}yz - 8xz$

Q8 Find the value of  $x^3 + y^3 + z^3 - 3xyz$  if  $x^2 + y^2 + z^2 = 83$  and  $x + y + z = 1$

Q9 If  $a + b + c = 15$  and  $a^2 + b^2 + c^2 = 83$ , find the value of  $a^3 + b^3 + c^3 - 3abc$ .

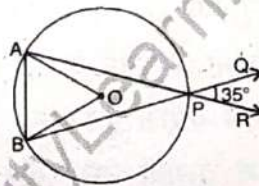
Q10 Factorise:  $27x^3 + y^3 + z^3 - 9xyz$

Q11 Factorise  $64m^3 - 343n^3$

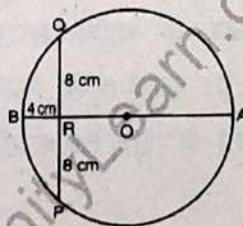
Q12: Explain that  $p - 1$  is a factor of  $p^{10} - 1$  and  $p^{11} - 1$ .

### CIRCLES

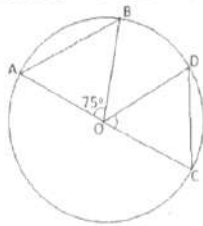
Q1. In the given figure, O is the centre of the circle with chords AP and BP being produced to R and Q respectively. If  $\angle QPR = 35^\circ$ , find the measure of  $\angle AOB$ .



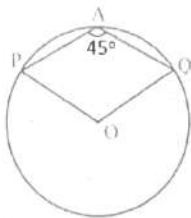
Q2 The given figure shows a circle with centre O in which a diameter AB bisects the chord PQ at the point R. If  $PR = RQ = 8$  cm and  $RB = 4$  cm, then find the radius of the circle.



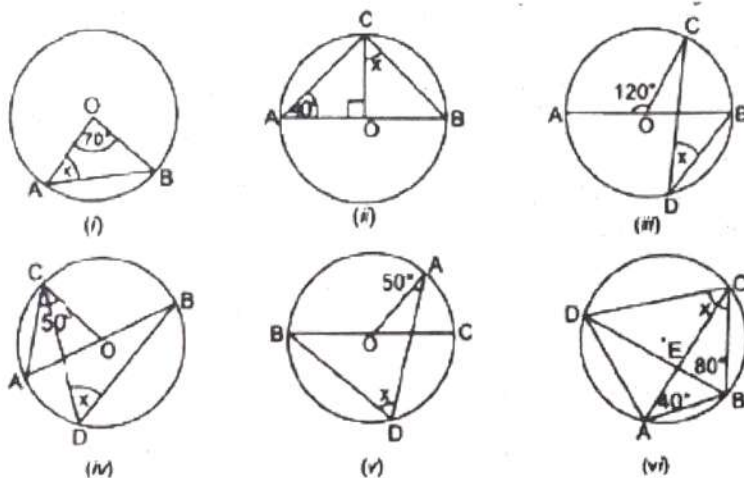
Q3 In the following figure, find the value of  $\angle COD$  if  $\angle AOB = 75^\circ$  and  $AB = CD$ .



Q4 In the following figure,  $\angle PQR = 100^\circ$ , P, A and Q are points on a circle with centre O. Find  $\angle POQ$ .



Q5 If O be the centre of the circle, find the value of x in each of the following figures.



### SURFACE AREA AND VOLUMES

- Q1 In a cylinder, the radius is doubled, and the height is halved; find the change in the curved surface area.
- Q2 The diameter of the base of a given cone is 10.5 cm, and its required slant height is 10 cm. Find out its curved surface area (Assume  $\pi = 22/7$ )
- Q3. The volume of the largest given right circular cone that can be accommodated in a cube whose edge is  $2r$  is the same as the volume of the required hemisphere of radius  $r$
- Q4 The height of a given cone is 15cm. If its volume is  $1570\text{cm}^3$ , find out the diameter of its base. (Use  $\pi = 3.14$ )
- Q5. Find out the total surface area of a cone if its slant height is 21 m and the diameter of the required base is 24 m. (Assume  $\pi = 22/7$ )
- Q6 The curved surface area of a particular cone is  $308\text{ cm}^2$ , and its required slant height is 14 cm. Find out (i) the required radius of the base and (ii) the total surface area of the cone.
- Q7. A brick measures  $30\text{ cm} \times 10\text{ cm} \times 7.5\text{ cm}$  How many bricks will be required for a wall 30 m long, 2 m high and 0.75m thick?
- Q8 The surface area of a cube is  $18.375\text{ m}^2$ . Find its volume.
- Q9. A hemispherical tank is emptied by a pipe at the rate of 5 litres per minute. How long will it take to half empty the tank if it is 1.5metre in diameter:
- Q10. If the heights of two cylinders are in the ratio of 4 : 3 and their radii are in the ratio of 3 : 4 then what is the ratio of their volumes?
- Q11. If the radius of the base of a solid cone is 'r' and its slant height is 1 then what is its lateral surface area?
- Q12. If a right circular cone has radius 4 cm and slant height 5 cm then what is its volume?
- Q13. The radius of a hemisphere is r. What is its volume?

- Q14. If the radius of a sphere is  $2r$ , then what is its volume?  
 Q15. If the radius of a sphere is doubled then what is the ratio of their volumes?

## SCIENCE

### PHYSICS :

#### INSTRUCTIONS :

1-Homework is to be done neatly in Physics Notebook.

- 2-There are 20 questions. Students have to write all 20 questions and their answers in Physics Notebook.

- Q1. A bus accelerates uniformly from  $18 \text{ km/h}$  to  $36 \text{ km per hour}$  in  $10 \text{ second}$  calculate the acceleration.  
 Q2. A car travelling at a speed of  $10 \text{ m per second}$  stops in  $4 \text{ second}$  after the application of break. If we assume the retardation to be constant  
 a) draw a speed time graph for the above information  
 b) find the retardation.  
 c) find the distance travel during this time.  
 Q3. A ball is gently dropped from a height of  $20 \text{ m}$ . If its velocity increases uniformly at the rate of  $10 \text{ ms}^{-2}$ , with what velocity will it strike the ground? After what time will it strike the ground?  
 Q4. An athlete runs along a circular track of radius  $100 \text{ m}$ . Calculate the displacement of the athlete and the distance travelled by him, when he covers  $(3/4)^{\text{th}}$  of the track.  
 Q5. A car travels the first half of the distance between two places at a speed of  $40 \text{ km h}^{-1}$  and the second half at the speed of  $60 \text{ km h}^{-1}$ . Calculate the average speed of the car.  
 Q6. The following is the distance time table of an object in motion :

| Time | Distance in meters |
|------|--------------------|
| 0    | 0                  |
| 1    | 1                  |
| 2    | 8                  |
| 3    | 27                 |
| 4    | 64                 |
| 5    | 125                |
| 6    | 216                |
| 7    | 343                |

- (a) What conclusion can you draw about the acceleration? Is it constant, increasing, decreasing or zero?  
 (b) What do you infer about the forces acting on the object?  
 Q7. Two persons manage to push a motorcar of mass  $1200 \text{ kg}$  at a uniform velocity along a level road. The same motorcar can be pushed by three persons to produce an acceleration of  $0.2 \text{ ms}^{-2}$ . With what force does each person push the motor car? (Assume that all persons push the motorcar with the same muscular effort)  
 Q8. A hammer of mass  $500 \text{ g}$  moving at  $50 \text{ ms}^{-1}$ , strikes a nail. The nail stops the hammer in a very short time of  $0.01 \text{ s}$ . What is the force of the nail on the hammer?  
 Q9. A motor car of mass  $1200 \text{ kg}$  is moving along a straight line with a uniform velocity of  $90 \text{ km/h}$ . Its velocity is slowed down to  $18 \text{ km/h}$  in  $4 \text{ s}$  by an unbalanced external force. Calculate the acceleration and change in momentum. Also, calculate the magnitude of the force required.  
 Q10. Using second law of motion, derive the relation between force and acceleration. A bullet of  $10 \text{ g}$  strikes a sand- bag at a speed of  $10^3 \text{ ms}^{-1}$  and gets embedded after travelling  $5 \text{ cm}$ . Calculate  
 (i) the resistive force exerted by the sand on the bullet

(ii) the time taken by the bullet to come to rest.

Q11. The weight of a body on the surface of earth is 392 N. What will be weight of this body on a planet whose mass is double than that of the earth and radius is four times the radius of the earth?

Q12. Find the ratio of the weight of an object of mass 50 kg on the earth and on moon. (Given, acceleration due to gravity on moon =  $\frac{1}{6}$ th of g on earth)

Q13. A ball is thrown upward with a speed of  $15 \text{ m s}^{-1}$ . Find the distance travelled by the ball in 2 s. Take  $g = 9.8 \text{ m s}^{-2}$ .

Q14. An object is thrown vertically upwards and rises to a height of 20 m. Calculate (i) the velocity with which the object was thrown upwards, (ii) the time taken by the object to reach the highest point.

Q15. A light and a heavy object have the same momentum. Find out the ratio of their kinetic energies. Which one has a larger kinetic energy?

Q16. An automobile engine propels a 1000 kg car (A) along a leveled road at a speed of  $36 \text{ km h}^{-1}$ . Find power if the opposing frictional force is 100 N. Now, suppose after travelling a distance of 200 m, this car collides with another stationary car (B) of same mass and comes to rest. Let its engine along stops at the same time. Now car (b) starts moving on the same level road without getting its engine started. Find the speed of car (B) just after the collision.

Q17. A girl having mass of 35 kg sits on a trolley of mass 5 kg. The trolley is given an initial velocity of  $4 \text{ m s}^{-1}$  by applying a force. The trolley comes to rest after traveling a distance of 16 m. (a) How much work is done on the trolley? (b) How much work is done by the girl?

Q18. Four men lift a 250 kg box to a height of 1 m and hold it without raising or lowering it. (a) How much work is done by the men in lifting the box? (B) How much work do they do in just holding it? (c) Why do they get tired while holding it? ( $g = 10 \text{ m s}^{-2}$ )

Q19. A pump can lift water of 150 kg in 15 second, to store it in an overhead tank at a height of 15 m. find the power of the pump.

Q20. If in an oscillating pendulum, the extreme position is at a height of 6 cm from the reference level. find the kinetic energy and the potential energy at extreme position and mean position when the mass of the body is 2 gm.

## CHEMISTRY:

### INSTRUCTIONS :

1. Do all the work in your Chemistry Classwork (CW) notebook.
2. Write all questions first and then write answers separately in the answer key section.
3. Maintain neat handwriting.
4. All sections are compulsory.

### SECTION A — MCQs (10 Questions)

1. The forces of attraction are maximum in:  
a) Solids b) Liquids c) Gases d) Plasma
2. The process of conversion of solid directly into gas is called:  
a) Evaporation b) Condensation c) Sublimation d) Fusion
3. A mixture of salt and water is an example of:  
a) Compound b) Element c) Homogeneous mixture d) Heterogeneous mixture
4. The Tyndall effect is shown by:  
a) True solution b) Colloid c) Suspension d) Both (b) and (c)
5. The SI unit of mass is:  
a) Gram b) Kilogram c) Mole d) Newton
6. The smallest particle that takes part in a chemical reaction is:  
a) Atom b) Molecule c) Ion d) Neutron
7. Which of the following is a chemical change?

- a) Melting of ice   b) Boiling water   c) Rusting of iron   d) Breaking of glass
8. The formula of calcium oxide is:  
a) CaO   b) CO   c) CaCO<sub>3</sub>   d) Ca(OH)<sub>2</sub>
9. Which property increases the rate of evaporation?  
a) High humidity   b) Low temperature  
c) Less surface area   d) Increase in wind speed
10. A pure substance contains:  
a) One type of particle  
b) Two types of particles  
c) Three types of particles  
d) Variable composition

#### SECTION B — ASSERTION-REASON (7 Questions)

(Choose: A = Both true, reason correct explanation;

B = Both true, reason NOT correct explanation;

C = Assertion true, reason false;

D = Assertion false, reason true.)

1. A: Evaporation causes cooling.  
R: The particles absorb energy from surroundings to change into vapour.
2. A: Mixture can be separated by physical methods.  
R: Components of mixtures retain their individual properties.
3. A: Atoms are indivisible.  
R: Atoms take part in chemical reactions.
4. A: Colloids show Tyndall effect.  
R: The particles in colloids are very small.
5. A: Solids have fixed shape.  
R: Particles in solids are closely packed.
6. A: A compound has a fixed composition.  
R: It can be separated by physical methods.
7. A: Diffusion is faster in gases.  
R: Gas particles have high kinetic energy.

#### SECTION C — CASE-BASED QUESTIONS (3 Questions)

1. Riya kept two wet clothes: one indoors and one outside in sunlight. The outdoor cloth dried faster.  
(a) Identify the process involved.  
(b) Give two factors responsible for faster drying.  
(c) Why does evaporation cause cooling?
2. A shopkeeper sells two types of milk packets:  
– Packet A (pure milk)  
– Packet B (milk mixed with water)
- (a) Which packet represents a mixture?  
(b) Classify the type of mixture.  
(c) Suggest one method to separate milk and water.
3. A compound contains 12 g of carbon and 32 g of oxygen. The molecular formula of the compound is CO<sub>2</sub>.  
(a) What is the ratio of masses of carbon to oxygen in CO<sub>2</sub>?  
(b) Name the law of chemical combination illustrated.

(c) State the law.

## SECTION D — SUBJECTIVE QUESTIONS (20 Questions)

### 2 Marks Questions (8 Questions)

1. State any four characteristics of particles of matter.
2. Define evaporation. List any two factors affecting it.
3. Differentiate between a true solution and a suspension (any two points).
4. What is a solvent and solute? Give one example.
5. Define atom and molecule with one example of each.
6. State the Law of Constant Proportion.
7. Explain the term latent heat.
8. Write two differences between physical change and chemical change.

### 3 Marks Questions (7 Questions)

9. Explain the process of separation of components of ink using evaporation.
10. What is Brownian motion? What does it prove?
11. Describe three different types of mixtures with examples.
12. Explain Dalton's postulates (any three).
13. Write the steps for finding molecular mass and calculate the molecular mass of  $H_2SO_4$ .
14. Explain the difference between saturation and unsaturation of solutions.
15. Why does a desert cooler work better on a hot, dry day?

### 5 Marks Questions (5 Questions)

16. Explain the states of matter on the basis of particle arrangement, movement, and force of attraction.
17. Describe any five methods of separation of mixtures with examples.
18. What is diffusion? Explain diffusion in solids, liquids, and gases with examples.
19. Define valency. Calculate the valency of nitrogen, carbon, and chlorine with explanation.
20. State and explain the Law of Conservation of Mass. Verify it with a simple activity.

## BIOLOGY :

### INSTRUCTIONS :

1-Homework is to be done neatly in Biology Notebook.

2-There are 20 questions. Students have to write all 20 questions and their answers in Biology Notebook.

Q1- Explain two methods to obtain the desired characters in crop plants.

Q2-How and when is Cork formed in plant? Write three characteristics of Cork.

Q3-Draw a labelled diagram of a Nerve Cell and mention the functions of any two parts of it.

Q4- List five Storage losses of harvested crops? Mention two methods to prevent Storage losses.

Q5-Draw a neat diagram of Plant cell and label the parts which differentiate it from Animal Cell.

Q6-Name the organelles which show the analogy written as under.

1. Transporting channels of the cells. —————.
2. Digestive bag of the cell. —————.
3. Storage sacs of the cells. —————.
4. Control room of the cell. —————.
5. Kitchen of the cell. —————.
6. Powerhouse of the cell. —————.

7. Packing & dispatching unit of the cell. —————

**Q7-** Give reasons for the following :

- Raisins and dry apricots swell up when placed in a bowl containing water for some time.
- Chromatin, Chromatid and Chromosomes are related to each other.
- Lysosomes are known as ' scavengers of the cells'.
- Plant cells possess large sized vacuole.
- Meristematic cells do not have vacuoles.

**Q8-** Answer the following Questions in brief:

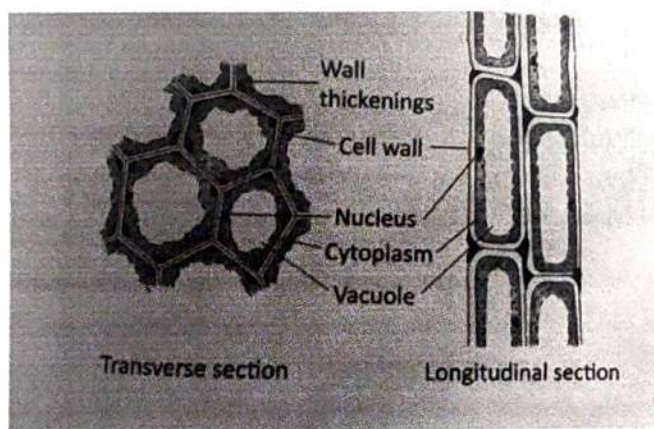
- If a potted plant is covered with a glass jar, water vapours appear on the wall of glass jar. Explain why?
- Which structure protects the plant body against the invasion of parasites?
- Water hyacinth float on water surface .Explain
- Why is epidermis important for the plants?
- Differentiate between sclerenchyma and parenchyma tissues.

**Q9-** Arrange these statements in correct sequence of preparation of green manure.

- Green plants are decomposed in soil.
- Green plants are cultivated for preparing manure or crop plant parts are used.
- Plants are ploughed and mixed into the soil.
- After decomposition it becomes green manure.

**Q10-** Observe the following diagram and answer the following questions :

- Identify the type of tissue and its location in the plant.
- What role does this particular tissue play?



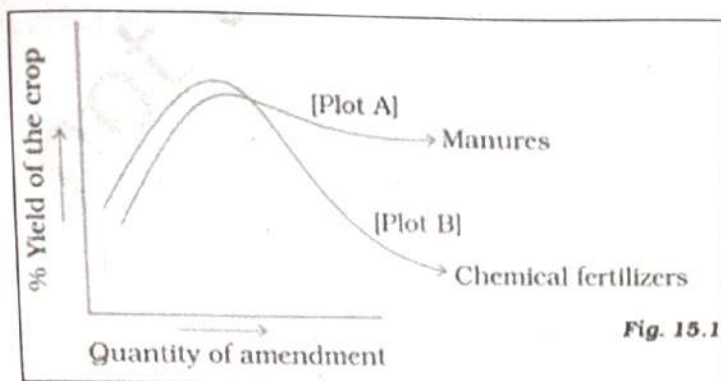
**Q11-** Ritika observed onion peel cells in the lab and could view the cell wall, cytoplasm and nucleus clearly. Suddenly her friend spilled a few drops of salty water on the slide having onion peel cells. She observes some changes in the cells after sometime.

- What changes would have been observed by Ritika?
- Name the process that caused the changes in the cells.
- Would there be similar changes observed ,if she had prepared a slide of cheek cells?

**Q12-Define** (i) Vermicompost (ii) Compost (iii) Bio fertilizer

**Q13-** Figure given shows two crop fields [plots A and B] which have been treated by manures and chemical fertilizers respectively. Keeping other environmental factors same, observe the graph and answer the following questions :

- Why does plot B show sudden increase and then gradual decrease in yield?
- What is the reason for the different pattern of the two graphs?



**Q14-** (a) What are two ways of obtaining fish?

(b) What is the major problem faced in fish Farming? How can it be overcome?

**Q15-** What are meristematic tissues? Explain with the help of a suitable diagram. Give their classification on the basis of their position in plant body.

**Q16-** What are weeds? Give two examples. Enlist the methods employed to control weeds.

**Q17-** Why are improved poultry breeds developed? Describe the desirable traits for which new varieties are developed.

**Q18-** If there is low rainfall in a village throughout the year, what measures will you suggest to the farmers for better cropping?

**Q19-** What would happen if poultry birds are larger in size and have no summer adaptation capacity? In order to get small-sized poultry birds having summer adaptability, what method will be employed?

**Q20-** In brief state what happens when:

- dry apricots are left for sometime in pure water and later transferred to sugar solution?
- a red blood cell is kept in concentrated saline solution?
- the plasma membrane of a cell breaks down?
- Rheo leaves are boiled in water first and then a drop of sugar syrup is put on it?
- Golgi apparatus is removed from the cell?

## Social Science :

**I. Do all the questions in the respective Classwork notebook.**

### History & Political Science:

- What changes were seen in the regime of Robespierre's government?
- How was slavery abolished in France? Explain.
- Explain how a socialist society was established in Russia.
- Explain any four points of Hitler's foreign policy?
- Explain the education policy introduced by Hitler.
- Differentiate between the powers of the President of USA and the President of India.
- What is a reserved constituency? Why there is a need for reserved constituency?
- Why there is an overwhelming support for democracy. (5 points)
- Why do we need rights in a democracy? (points)
- Why do we need elections in a democracy? (5 points)

### Economics :

- Differentiate between seasonal hunger and chronic hunger.
- Which people are more prone to food insecurity?
- What is poverty line? What are the calories and rupees fixed for rural and urban areas for measuring the poverty line?
- Write a note on any five programmes that have been developed for eradication of poverty in India.
- What is unemployment? Name two types of unemployment prevailing in India. What are the disadvantages of unemployment?

Q.6 'Illiterate and unhealthy population are a liability for the economy'. Justify the statement with suitable examples.

Q.7 What is the aim of production? State four requirements needed for production of goods and services.

Q.8 What are the features of Green Revolution? How it differs from traditional farming?

### Geography :

Q1. Why  $82^{\circ}30'$  has been selected as the meridian of India?

Q2. Throw more light on India occupying an important and strategic position in South Asia.

Q3. Give an account of the Northern Plains of India.

Q4. Distinguish between Bhangar and Khadar.

Q5. What are the main characteristics of River Brahmaputra.

Q6. Write main features of Indus Basin.

Q7. What is the distribution of rainfall in India?

Q8. State the chief characteristic of the hot weather season in India.

### II. To prepare a Interdisciplinary project on the topics :

i) Natural Vegetation and Wildlife.

ii) Forest, Society and Colonialism.

Objective : To learn different types of vegetation and the colonial forest policy and its impact on forest societies.

Topics to be covered :

\* Types of Vegetation :

i) Tropical Evergreen Forest

ii) Tropical Deciduous Forest

iii) The Thorn forest

iv) Mangrove Forest

v) The evolution of forest management in India.

vi) Deforestation under the colonial rule

vii) New Developments in forestry.

### Guidelines :

1. The project report should be developed and presented in this order

- Cover page showing project title, student 's name, class, section, school and year.
- Acknowledgement.
- List of contents with page numbers.
- Introduction
- Project should be hand-written illustrated with related pictures
- Conclusion
- Bibliography:

### I.T (402):

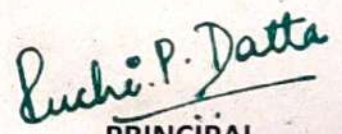
- Define a Cell, Row, and Column. How is a cell address (or cell reference) represented?
- What is the Formula Bar and what is its primary function?
- Explain the difference between a formula and a function in a spreadsheet.
- Give an example of a simple formula to calculate the average of cells \$A1\$ through \$A5\$.
- What are the steps to insert a function (like SUM or AVERAGE) into a cell?
- Explain the concept of Relative Referencing and Absolute Referencing with an example of each. (e.g., What is the difference between =A1+B1 and =\$A\$1+B1?)
- What is a Chart (or Graph), and name any two common types of charts (e.g., Bar Chart, Pie Chart) and when they are used.
- What is the purpose of the Format Painter tool?

9. How do you insert a Header and Footer into a document, and what information is typically placed there?
10. What is Mail Merge, and list the two main components required to perform a Mail Merge operation (Data Source and Main Document)?
11. What are Styles in a word processor, and how do they help in maintaining a consistent document?
12. What is the difference between IT (Information Technology) and ITES (IT-enabled Services)? Give one example of an ITES sector.
13. Briefly explain the concept of BPO (Business Process Outsourcing).
14. What are the key rules for setting a strong password? (This is a common question on Cyber Safety/Security).
15. Define e-Governance and give one example of its application in India (e.g., Passport Seva, Digital Locker).
16. Solve question paper of Unit Test 2

### French :

- Q1. Vous êtes allé dans les montagnes avec vos camarades de classe. Envoyez une carte postale à vos parents pour leur dire comment vous vous amusez .
- Q2. Vous êtes allé en vacances avec vos parents au bord de la mer. Écrivez une carte postale à vos grands – parents pour leur dire ce que vous faites.
- Q3. Vous passez une semaine chez vos cousins dans la campagne. Envoyez une carte postale à vos parents leur disant comment vous vous amusez.
- Q4. Vos parents sont allés passer le weekend dans un bel endroit. Ils vous envoient une carte postale. Écrivez la carte postale de la part de vos parents.
- Q5. À votre meilleur( e ) ami/amie à passer le weekend chez vous à la campagne.
- Q6. À votre cousin / cousine pour l'inviter à la soirée de votre anniversaire.
- Q7. Votre mère rentrera avec du retard de son bureau. Elle vous écrit un message pour vous dire de préparer une salade pour le dîner. Écrivez le message de la part de votre mère.
- Q8. À votre correspondant américain lui décrivant une fête chez vous .( Lettre )
- Q9. À votre ami lui décrivant comment vous avez fêté votre anniversaire..( Lettre )
- Q10. À vos grands-parents leur décrivant votre séjour à Paris. .( Lettre )

9.   
**HEAD SENIOR SCHOOL**

  
**PRINCIPAL**