PART – A (LITERATURE)

1. Read and write the answers in your separate notebook and learn it. (The Fun they had)

2. Write the central idea of the poem 'The Road not taken'?

3. Read carefully the chapter 'Sound of Music'. Write four answers from this lesson.

4. Write the Auto biography of 'Bismillah Khan'?

5. Give the summary of the poem 'Wind'?

PART- B (WRITING)

1. Write a letter to your father requesting him to send you a sum of Rs.2500 by money order for buying some new books?

2. Write a letter to your mother informing her that you have been selected captain of your school cricket team?

3. Write a letter to the Transport Commissioner of your state, requesting him to allow concession in the Roadways buses for students?

4. Write two paragraph.

(a) Domestic child labour   (100 words)

(b) Freedom of Press   (100 words)

PART-III (GRAMMAR)

1. Read and practice of the following topics which have been taught in the class as:

(a) Tense   (b) Determiners   (c) Articles   (d) Modals

(e) Subject-verb agreement

Note:- All the homeworks must be in a separate and fair and fortune notebook.

All the best

SUBJECT – HINDI

क. क्षितिज गद्य के प्रत्येक पाठ से 5-5 उपसर्ग व प्रत्यय शब्द छाँटकर उनके मूल शब्द व उपसर्ग/प्रत्यय लिखना |

ख. क्षितिज गद्य के पाठ 1 व 2, पद्य के पाठ 1 और कृतिका के पाठ 1 से 10-10 अति लघु प्रश्न बनाना |

ग. 'ग्लोबल वार्मिंग' के लिए हम कितने जिम्मेदार है और इसे रोकने में हमारा क्या योगदान होना चाहिए? 120 शब्दों में अनुच्छेद लिखिए |

घ. परियोजना कार्य –
शीर्षक – मेरा प्रदेश, उत्तर प्रदेश

SUBJECT – MATHS

WORKSHEET -1

HOLIDAY HOMEWORK

CLASS -9 th

SUB - MATHS

NOTE-

1. Prepare a Portfolio file on Topic -Number System, Polynomial, Coordinate Geometry and Heron's Formula

2. Do all questions in Assignment sheet

3. Write about two Mathematician.

Q. 1 Multiple Choice Question

1. The product of any two irrational numbers is:

(A) always an irrational number

(B) always a rational number

(C) always an integer

(D) sometimes rational, sometimes irrational

2.What is the value of $(256)^{0.16}$ X $(256)^{0.09}$?

(a) 4   (b) 16   (c) 64   (d) 256.25

3.Point (0, −7) lies

(a)on the x-axis   (b)in the fourth quadrant

(c) on the y-axis   (d)in the second quadrant

Q.2.Add $2\sqrt{2}+ 5\sqrt{3}$ and $\sqrt{2} – 3\sqrt{3}$.

Q.3.Simplify: $(\sqrt{3}+\sqrt{7})$ $(\sqrt{3}-\sqrt{7})$.

Q.4.Simplify each of the following expressions:(i) $(3+\sqrt{3})(2+\sqrt{2})$ (ii)$(3+\sqrt{3})(3-\sqrt{3})$ (iii) $(\sqrt{5}+\sqrt{2})$ X 2   (iv) $(\sqrt{5}-\sqrt{2})(\sqrt{5}+\sqrt{2})$

Q.5Show the following in the form p/q, where p and q are integers and q ≠ 0:-

0.2555…

Q. 6 Rationalise the denominator of $1/[7+3\sqrt{3}]$.

Q. 7 Factorise : $125x^3 – 64y^3$

Q. 8 Find the value of m, if x + 4 is a factor of the polynomial $x^2 + 3x + m$.

Q. 9 If 3x + 2y = 12 and xy = 6, find the value of $27x^3 + 8y^3$.

Q. 10 If $p(x) = x^3 + 3x^2 – 2x + 4$, then find the value of p(2) + p(-2) – P(0).

Q. 11 If x – 3 is a factor of $x^2 – 6x + 12$, then find the value of k. Also, find the other factor of the – polynomial for this value of k.

Q. 12 Find the value of a and b ,if √3-1/√3+1=a+b√3

Q. 13 In which quadrant or axis on the following points will lie?

(-3, 5), (2,0), (2, 2), (-3,-6),(4,-1),

Q. 14 Expanding each of the following, using all the suitable identities:

(i) $(-2x+3y+2z)^2$ (ii) $(3a-7b-c)^2$

Q. 15 Case Study Based Question:-

If a teacher divides a material of volume $27x^3 + 54x^2 + 36x + 8$ cubic units among three students. Is it possible to find the quantity of material ? Can you name the shape of the figure teacher obtained ? Which value is depicted by the teacher ?

SUBJECT – SCIENCE

WORKSHEET – 1 (BIO)

1. What are membrane bound structures in a cell called?

2. Name the functional segment of DNA that carries genetic information.

3. Where are proteins synthesized inside the cell?

4. Mitochondria is called the power house of the cell. Give reason?

7. who coined the term protoplasm?

8. Draw well labelled diagram of animal cell?

9. write the components that make up the following cell organelles:

(i) chromosomes   (ii) cell wall

10- Assertion Reason based questions:

a) Assertion and reason both are correct statement and reason is correct explanation for assertion.

b) Assertion and reason both are correct statement but reason is not the correct explanation of assertion.

c) Assertion is correct but reason is wrong statement.

d) Assertion is a wrong statement but reason is correct statement.

1.Assertion: A cell is called the fundamental unit of life

Reason: A cell is capable of existing on its on and performs all the function necessary for a living being

2.Assertion: a cell swells up when present in a hypotonic solution.

Reason: more water molecules enter the cell then the leave.

WORKSHEET -2 (PHYSICS)

1. Draw a distance time graph for an object in rest position?

2. Explain one situation where an object covers some distance but displacement is zero?

3. Define velocity and write SI unit?

4. Draw graph for uniform and non-uniform motion?

5. Give two example to explain that motion is relative

6. A train starting form a railway station and moving with uniform acceleration attains a speed 40 km /hr in 10 minutes. Find its acceleration.

7. A bus decreases its speed from 80 km/hr to 60 km/hr in 5 seconds. find the acceleration of the bus?

8. A stone thrown vertically upward direction with a velocity of 5 m/sec. if the acceleration of the stone during its motion is 10 m/sec 2 in the downward direction. What will be the height attained by the stone and how much time will it take to reach there?

9- Assertion Reason based questions:

a) Assertion and reason both are correct statement and reason is correct explanation for assertion.

b) Assertion and reason both are correct statement but reason is not the correct explanation of assertion.

c) Assertion is correct but reason is wrong statement.

d) Assertion is a wrong statement but reason is correct statement.

1.Assertion: An object may have acceleration even if it is moving with uniform speed.

Reason: An object may be moving with uniform speed but it may be changing its direction of motion.

2.Assertion: The displacement of an object can be either positive, negative or zero.

Reason: Displacement has both magnitude and direction.

WORKSHEET-3 (CHEMISTRY)

1.Define melting point.

2.What happens when the temperature of solids increases?

3.Give reason, During the summer sitting under a fan makes us comfortable.

4.Why do we say that evaporation is a surface phenomenon?

5.Convert 100 degree Celsius into Kelvin and 600 K into degree Celsius.

6.By which physical phenomenon does the fragrance of burning stick spread?

7.How will you differentiate between a gas and a vapor?

8.Explain the factors affecting rate of evaporation.

9.What is latent heat of fusion.

10.- Assertion Reason based questions:

a) Assertion and reason both are correct statement and reason is correct explanation for assertion.

b) Assertion and reason both are correct statement but reason is not the correct explanation of assertion.

c) Assertion is correct but reason is wrong statement.

d) Assertion is a wrong statement but reason is correct statement.

1.Assertion: the rate of evaporation increases with increase in temperature.

Reason: increase in temperature decreases the kinetic energy of the particles:

2.Assertion: Gases diffuse more easily as compared to solids

Reason: Intermolecular forces are greater in solids.

SUBJECT --S.St

Q1. Choose any women in Indian politics whose work efficiency inspired you to write her contribution for our country. OR Make a P.P.T. on her contribution.

Q2. Make a project file on Indian Constitution.

Ques.1. Activity Work

TOPICS	Roll no.	Chart Paper Activity
1.Communication Skills	1-12	1 Draw a neat diagram on "Communication Process"
2. Self-Management Skills	13-24	2. Draw the steps 7cs effective communication
3. ICT Skill	25 and above	3. Draw a neat diagram on ICT Tools.

Ques.2. Answer the following questions-

1. List the types of verbal communication

2. Difference between verbal and non-verbal communications.

3. What are the disadvantages of oral communications.

4. What do you mean by posture and gestures?

5. What is self motivation? How it is important in your life?

Ques.3. Project Work

Make a Digital Presentation On the topic "Communication cycle" in Microsoft Power Point.

Take a printout of the Presentation for the submission after summer vacation or you can

bring your presentation in any of the portable storage device.