

## **COMPUTER (CBSE)**

- 1- Write about 7 C's of effective communication with example.
- 2- What are the factors affecting our perspective in communication?
- 3- Write any 5 qualities of a self-confident person.
- 4- Differentiate between verbal and non-verbal forms of communication.
- 5- What are the factors than help to boost your self-confidence?

## **COMPUTER (UP BOARD)**

**Topic-**Computer & Communication / Computer Network / Internet

- 1- Define a computer network. Write any two advantages of networking.
- 2- Differentiate between LAN, MAN, and WAN with one example of each.
- 3- Imagine there is no internet for one whole week. Write any 5 problems people may face in daily life.
- 4- Write any four safety measures to be followed while using the Internet.
- 5- What is e-mail? Mention the steps to create and send an e-mail.

## **PHYSICAL EDUCATION (Physical Activity Trainer)**

- 1- Make a list of props and equipment used in physical activities.
- 2- Draw a Communication Cycle Flowchart.
- 3- Prepare a proper lesson plan for any one physical activity.
- 4- Why was Major Dhyanchand called "The Magician of Hockey"? (Word Limit-200 words)



ILLUMINATING GLOBAL EDUCATION THROUGH INDIANIC VALUES

# NEW STANDARD GROUP OF INSTITUTES



**HOME  
ASSIGNMENT  
2026**

Name.....  
Class..9 (UP & CBSE) Sec. ....  
Branch.....

**Note:1- All the written work is to be done in the fair note book.**

**2- Prepare taught topics in all subjects for test will be held just on reopening of the school.**

हिन्दी— (CBSE)

1. 'क्षितिज' पाठ्य-पुस्तक के काव्य पाठों से अनुप्रास, यमक और श्लेष अलंकार से युक्त दो-दो उदाहरण अपनी व्याकरण की अभ्यास पुस्तिका में लिखिए।
2. आप जवाहर विहार कालोनी रायबरेली के मोहित / मोहिनी हैं। आपका एटीएम कार्ड कहीं खो गया है, जिसे बंद कर नया एटीएम कार्ड जारी करवाने के लिए बैंक शाखा प्रबंधक को एक पत्र व्याकरण की अभ्यास पुस्तिका में लिखिए।

हिन्दी— (UP Board)

1. अपनी पाठ्य-पुस्तक 'नूतन हिंदी' के काव्य पाठों से यमक अलंकार, संयोग श्रृंगार रस तथा दोहा छंद के दो-दो उदाहरण अपनी व्याकरण अभ्यास-पुस्तिका पर लिखिए।
2. ग्रीष्मावकाश का सदुपयोग करने के लिए अपनी छोटी बहन को एक पत्र व्याकरण की अभ्यास पुस्तिका में लिखिए।

**ENGLISH- (CBSE)**

- 1- Do exercise 14, 15, 37, 38, 47 and 48 of Tense in Grammar Book.
- 2- Do exercise 10 to 12 of Determiners in Grammar Book.
- 3- You are concerned about the increasing problem of plastic pollution in your city. Write a letter to the editor of a local newspaper highlighting the issue and suggesting measures to control it.

**ENGLISH- (UP)**

- 1- Do exercise 15 to 20 of tense.
- 2- Do exercise 11 to 15 of Determiners
- 3- Write an application to the Principal requesting him to arrange extra coaching for you in Mathematics as you are weak in the subject.

**MATHS-**

- 1- Express  $0.\overline{375}$  in the form of  $\frac{p}{q}$ .
- 2- Find two irrational numbers between  $\sqrt{3}$  and  $\sqrt{7}$ .
- 3- Find the value of polynomial  $2x^2 - 3x + 1$  for:  
(i)  $x = 2$                       (ii)  $x = -3$                       (iii)  $x = -1$
- 4- Represent  $\sqrt{13}$  and  $\sqrt{10}$  on the number line.
- 5- Show that  $\sqrt{2}$  is an irrational number.

- 6- The two opposite vertices of a square are  $(-1, 2)$  and  $(3, 2)$ . find the coordinates of the other two vertices.

7- Check whether following points lie on, x axis, y axis, or origin:

- (i)  $(-3, 6)$       (ii)  $(0, 4)$       (iii)  $(2, -8)$       (iv)  $(7, 0)$       (v)  $(-1, -1)$

8- Find six rational number between  $\frac{1}{3}$  and  $\frac{1}{2}$ .

9- Find two irrational number between  $\frac{3}{7}$  and  $\frac{2}{3}$ .

10- A students plotted points A  $(2, 3)$ , B  $(-2, 3)$ , C  $(-2, -3)$ , D  $(2, -3)$ :

(i) Find relation between x and y if P  $(x, y)$  is equidistant from A and B.

(ii) Find mid point of B and C.

11- Factorise:      (i)  $12x^2 - 7x + 1$                       (ii)  $6x^2 + 5x - 6$

12- Show that the points  $(2, 1)$ ,  $(0, 3)$ ,  $(-2, 1)$ ,  $(0, -1)$ , taken in order are the vertices of a square. Also find the area of the square.

13- Draw the graph of the linear equation whose solutions are represented by the points having the sum of coordinates has 10 units.

14- Given the points A  $(1, -8)$ , B  $(-4, 7)$  and C  $(-7, -4)$ , show that they lie on a circle whose centre is the origin O  $(0, 0)$ . What is the radius of circle?

15- A gym charges a fixed monthly fee and an additional cost per hour for using the badminton court. A student using the gym observed that when she used the badminton court for 10 hours, her bill was ₹ 800 an when she used it for 15 hours, her bill was ₹ 1100. If the monthly bill y depends on the hours of the use of the badminton court, x, according to the relation  $y = ax + b$ , find the values of a and b.

**PHYSICS-**

1- A car starts from rest and reaches a speed of 20 m/s in 5 seconds. Describe its motion in your own words and sketch a velocity-time graph.

2- Two students walk on a straight road one moves with constant speed while the other accelerates. How will their distance-time graphs differ?

- 3- Imagine you are inside a moving train. Explain why objects inside appear at rest even though the train is moving.
- 4- A ball is thrown vertically upwards. At the highest point, is its velocity zero or acceleration zero? Explain with reasoning.
- 5- Draw a distance-time graph for.
  - (a) A body at rest
  - (b) A body moving with constant speed
- 6- A velocity-time graph is a straight line sloping upward. What does this indicate about motion? Explain in simple terms.
- 7- A train travels on a 120 km track. It covers first 30km, at a uniform speed of 60km/h. How fast must the train travel the next 90km so as to make average 60km/h for the entire journey?
- 8- A cyclist covers equal distances in equal intervals of time. What type of motion is this? Give a real-life example.
- 9- You are designing a racing game. How will you use the concept of acceleration to make the game realistic?
- 10- If speed is constant, can velocity change? Give an example from daily life.

### **CHEMISTRY-**

#### **Object- Prepare the following Mixtures-**

- (A) True solution (1g NaCl + 100ml water)
  - (B) Colloidal solution (10ml milk + 100ml water)
  - (C) Suspension ( 10g Chalk +100ml water)
- and study the properties given bellow in all prepared mixtures
- (i) Visibility of solute particles by naked eyes.
  - (ii) Filtration- they can be filtered through fine filters or not
  - (iii) Sedimentation of solute particles when they are kept undisturbed
  - (iv) Scattering of light when a sharp beam of light is passed through it
  - (v) Motion of solute particles (whether they do zig-zag motion or not)

S.No.	Observed Property	True Solution	Colloidal solution	Suspension
1-	Visibility			
2-	Filtration			
3-	Sedimentation			
4-	Scattering of Light			
5-	Motion of solute particles			

- Required material-**
1. White Chalk
  2. NaCl
  3. Distilled water
  4. Milk
  5. Tissue Paper for filtration
  - 6- Laser light torch
  - 7- Three glasses (Thin glass material)
  - 8-

**NOTE- Paste the pictures of all the mixture prepared**

### **BIOLOGY-**

- 1- What if Scenarios.
  - (i) “What if a plant cell suddenly lost its cell wall?” List 3 things that would happen to the plant in 24 hours. Relate to turgor pressure.
  - (ii) “You are a mitochondrion. Your inner membrane is damaged.” Write a 3-line “complaint letter” to the Nucleus explaining why you can’t make ATP now. Use terms: cristae, electron transport.
  - (iii) “Imagine if lysosomes broke open inside a healthy cell.” Name the phenomenon. Why don’t lysosomes digest the cell normally?
- 2- Detective and Analogy-
  - (i) “Analogy”. Nucleus is the brain, mitochondria is the powerhouse. ER is the transport system.  
Your turn: If a cell is a city, what are these- Ribosomes, Golgi body, Plasma membrane? Give 1 reason for each.
  - (ii) Mystery Organelle: “I am single-membraned, I detoxify drugs in liver cells, and I make lipids. “ Who am I? Why am I more in liver cells than in muscle cells?

### **SOCIAL SCIENCE-**

- 1- Solve the very short questions from the taught chapters in the reference book.

#### **Creative Questions**

- 2- Why is democracy considered better than dictatorship? Explain with examples.
- 3- Make two charts column-wise of 6 National Parties and 8 Regional Parties including their full name, year of establishment, election symbol, current president and state name (State name required only for Regional Parties)

**Note-Creative question work will be done in the civics notebook.**