



B.P.R. International School

SUMMER BREAK ASSIGNMENT

Name _____

Grade _____

Subjects	Marks
English	
Hindi	
Maths	
Science	
Social Science	
Punjabi/ Sanskrit	
Physical Education	



Dear children

Summer break is a welcome break..... Summer vacation is all about fun, frolic, playing for longer hour with friends, going for picnic and exploring new places.

But there is lot more you can do to make your vacation more interesting and meaningful , along with doing all your heart desires. We have planned some interesting assignments for you. So get ready to enjoy your Summer Vacation.

Important Pointers for Holiday Homework

1. Holiday homework needs to be done in neat handwriting.
2. Holiday homework is mandatory to be done within stipulated time.
3. Holiday homework will be evaluated in overall result.
4. Holiday homework carries 20 marks for Internal Assessment.
5. Please remember to organize your holiday homework in separate notebooks for each subject. This will help you stay focused and organized throughout the break.
6. Parents are requested to submit holiday homework in labeled (write your child's name and class on holiday home work) folder .

Let's Read

Reading tips to develop good reading habits.

- 1. Make reading a daily habit.**
- 2. Create a reading space.**
- 3. Read newspaper daily.**
- 4. Read your favourite books.**
- 5. Keep a dictionary and search the meaning of difficult words.**

Learn syllabus of Periodic Test-1 in all the subjects.

Hands on Activity

Daddy's Day OUT

Father's Day is observed on the 3rd Sunday of June. It honors all fathers , grandfathers and Father figure for their contribution. So on this Father's Day-

1. Surprise him by giving a card
2. Photo with Dad

Get a picture clicked with Dad . Make a photo frame and then fix photo.

(Share the pic with your respective Grade Incharges.)

3. Crown your Dad

Make a crown for your Dad and place it on the most deserving king – Your Dad

4. Give a treat to your Dad.

Dear kids.....

Warm **wishes** to you on International **Yoga Day** with a promise to start **yoga** soon. **Yoga** is all about creating a balance in your life. It is about balancing your senses, balancing your body, soul and mind in order to live healthy and live in peace. Wishing you a peaceful and healthy life on International **Yoga Day i.e. 21st June 2024. Do practice yoga with the help of shared link and share your videos with your respective grade incharges.**

Here is the link given below:-

<https://youtu.be/E0RUN0e3ZGY>



Hands on Activity

THEME – Environment

isn't asking us to conserve

HER FOR HER

But for our future generations

To heal ourselves

To restore earth to life

To create a situation in which freedom can flourish

We must work together in groups

SO LET'S JOIN TOGETHER TO SAVE OUR ENVIRONMENT AND RESTORE

OUR EARTH

World Environment Day is celebrated every year on 5th June. It is aimed to raise global awareness about the importance of the healthy and green environment in human lives.

Make a Poster on "Save Earth Save Life."

Read More: [World Environment Day 2024 | History, Events & Celebration](#)



व्याकरण:-

1. रचना के आधार पर वाक्य के तीनों भेदों के 15 वाक्य लिखें।
2. पत्र लेखन:-
 1. औपचारिक पत्र -कार्यालय पत्र सार्वजनिक स्थलों पर भरते हुए धूम्रपान तथा उसके कारण संभावित रोगों की ओर संकेत करते हुए किसी दैनिक समाचार पत्र के संपादक को पत्र लिखिए:- लिखें। व याद करें।
 2. अनौपचारिक पत्र :-अपने मित्र अथवा अपनी सखी को अपनी जन्म दिवस पर बधाई- पत्र लिखें व याद करें।
 3. अनुच्छेद लेखन:-स्वच्छ भारत अभियान, युवाओं के लिए मतदान का अधिकार अनुच्छेद लिखिए व याद करें।

क्षितिज काव्य खंड:-

1. सूरदास के पद व प्रश्न उत्तर याद करें।
2. तुलसीदास के पद व प्रश्न उत्तर याद करें।

क्षितिज गद्य खंड:-

1. नेताजी का चश्मा पाठ के प्रश्न उत्तर याद करें।
2. बाल गोविंद भगत पाठ के प्रश्न उत्तर याद करें।

कृतिका:-

1. माता काजल पाठ के प्रश्न उत्तर याद करें।
2. साना-साना हाथ जोड़ी पाठ के प्रश्न उत्तर याद करें।

परियोजना कार्य:-

विज्ञापन ,संदेश लेखन ,ईमेल, अलंकार ,माता का आंचल ,सूरदास के पद ,नेताजी का चश्मा आदि विषयों पर परियोजना फाइल बनाएं।

नोट :-

1. सारा कार्य याद करें टेस्ट होगा।
2. व्याकरण कार्य हिंदी की कॉपी में लिखें।
3. P.T 1 का सारा सिलेबस याद करें



PART A (READING)

Q1. Read the following passages carefully

Passages (3rd and 4th) given on page 5,6and 7 in book Acme

Case based passages (1st and 2nd) given on page 16,17 and 18 in book Acme

PART B (GRAMMAR AND WRITING)

Q2. Complete the given exercises of tenses

Exercises (1st, 2nd and 3rd) given on page 90,91. One integrated exercise 1 and 2 on page 91 and 92

Q3. Write the following letters as directed :

You are Shubham, Surbhi, a resident of R block, Shivaji Nagar, Mumbai. For the past few days you've been noticing that garbage is not being removed from your area, people cannot bear the stinking smell and unhygienic condition caused by this garbage. Write a letter in 100 to 150 words to the editor of a newspaper to draw the attention of the concerned authorities to take necessary action.

You had been to a tourist spot and were disappointed at the way the place was being maintained. Write a letter in 100 to 150 words to the editor of a newspaper on how places of tourist interest should be made tourist friendly. Your Maya Mohan, 48 court road trichur.

You feel concerned about the wastage of every kind on the occasions of our marriages and other ceremonies. Write a letter to the editor of a newspaper about it in 120 words.

PART C (LITERATURE)

Q4. REFERENCE TO CONTEXT

Two extracts from each prose/Drama (A letter to God, A triumph of surgery) - 4 Extracts

Two extracts from each poetry (Dust of snow, fire and ice) - 4 Extracts

Q5. Learn the textual questions of the prose (A letter to God, A triumph of surgery)

And poetry (dust of snow, fire and ice) [Short and long questions]

PROJECT WORK

A Letter to God

Nelson Mandela: A long walk to freedom

Dust of Snow, Fire and Ice

Make an assignment or a Chart on the topics given below :

- Modals
- Tenses
- Adjective

Paragraph

Write this paragraph on the lines given below.

A Union Territory is an administrative division of India. Unlike the states of India, which have their own governments, union territories are ruled directly by the federal government. The President of India appoints a Lieutenant-Governor or an Administrator for each territory.

Paragraph

Write this paragraph on the lines given below.

Sandalwood is a yellow, fine-grained and heavy aromatic wood. They retain their fragrance for decades. Sandalwood is the second-most expensive wood in the world, after African Blackwood. Sandalwood is the most commonly used incense material in worship and various ceremonies.

Sandalwood is a yellow.

Paragraph

Write this paragraph on the lines given below.

A torch is usually made of a wooden stave with one end soaked in combustible material. It is ignited and used as a light source. Torches have been used throughout history. They are still used in processions, religious events and in juggling entertainment.

LISTENING

Listen to this audio carefully and try to examine and solve the

questions in the subsequent link based upon this :

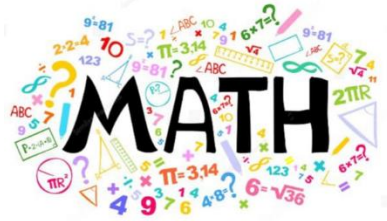
<https://youtu.be/ZQBsLj6Gb18?si=YY6qEruFlgUaen8C>

https://youtu.be/Ps4nPINtCu8?si=t_EjLUMSmiNi4xGd

SPEAKING

Prepare and record yourself while speaking on the topic 'How to

utilise time efficiently' and send the video to the grade incharge.



1. Is the expression $4x^2 - 3x + 7$, polynomial in one variable or not? State the reason for your answer.
2. Is the expression $y^2 + \sqrt{-2}$, polynomial in one variable or not? State the reason for your answer.
3. Write the coefficient of x^2 in $2 + x^2 + x$
4. Write the coefficient of x^2 in $\frac{\pi}{2}x^2 + x$
5. Write the degree of the polynomial: $5x^3 + 4x^2 + 7x$
6. Classify as linear, quadratic and cubic polynomial: $x^2 + x$
7. Find the value of the polynomial $5x - 4x^2 + 3$ at $x = 0$
8. Verify $x = \frac{4}{5}$ is a zero of the polynomial $p(x) = 5x - \pi$
9. Verify $x = 0$ is a zero of the polynomial $p(x) = x^2$
10. Verify $x = \frac{1}{2}$ is a zero of the polynomial $p(x) = 2x + 1$.
11. Find the zero of the polynomial in $p(x) = 2x + 5$
12. Find the zero of the polynomial in $p(x) = 3x$
13. Find the value of k , if $x - 1$ is a factor of $p(x)$ in case: $p(x) = kx^2 - 3x$
14. Factorise: $6x^2 + 5x - 6$



PHYSICS

Multiple Choice questions

1. A particle is moving in a circular path of radius r . The displacement after half a circle would be:

- (a) Zero
- (b) πr
- (c) $2r$
- (d) $2\pi r$

2. The numerical ratio of displacement to the distance for a moving object

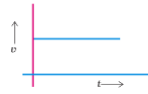
- (a) always less than
- (b) always equal to
- (c) always more than
- (d) equal or less than

3. The displacement of an object is proportional to square of time, then the object moves with

- (a) uniform velocity
- (b) uniform acceleration
- (c) increasing acceleration
- (d) decreasing acceleration

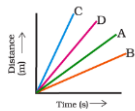
3. From the given $v - t$ graph, it can be inferred that the object is

- (a) in uniform motion
- (b) at rest
- (c) in non-uniform motion
- (d) moving with uniform acceleration

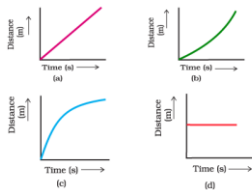


4. Four cars, A, B, C and D, are moving on a levelled road. Their distance versus time graphs are shown. Choose the correct statement

- (a) Car A is faster than car D.
- (b) Car B is the slowest.
- (c) Car D is faster than car C.
- (d) Car C is the slowest.



5. Which of the following figures represents the uniform motion of a moving object correctly?



B. Answers the following questions

1. Can the average speed of moving object be zero? Explain.

2. List the important of velocity-time graph?

3. Give some examples of motion.

4.An electric train is moving with velocity of 120 km/hr. How much distance will it move in 30 sec?

5.Name the terms used to describe the overall motion of an object?

6.Can an object be accelerated if it is moving with constant speed? Justify.

7.Name two physical quantities that can be obtained from velocity - time graph.

8.A particle is moving with a uniform speed. Is it necessary that it is moving along a straight line?

9.Define a vector quantity giving examples.

10. Prepare a model on types on motion by taking help from the given

Note- Do the assignment in separate notebook.

Revise Ch - Motion

CHEMISTRY

Fill in the blanks:-

Question 1.

- a. Matter is made up of small _____.
- b. The forces of attraction between the particles are _____ in solids, _____ in liquids and _____ in gases.
- c. _____ is the change of gaseous state directly to solid state without going through liquid state, and vice-versa.
- d. Evaporation causes _____.
- e. Latent heat of fusion is the amount of heat energy required to change 1 kg of solid into liquid at its _____.
- f. Solid, liquid and gas are called the three _____ of matter.
- g. The smell of perfume gradually spreads across a room due to _____.
- h. Rapid evaporation depends on the _____ area exposed to atmosphere.
- i. As the temperature of a system increases, the pressure of the gases _____.
- j. As the volume of a specific amount of gas decreases, its pressure _____.
- k. As the temperature of a gas decreases, its volume _____.
- l. Gas molecules at higher temperatures have more _____ than at cooler temperatures.
- m. Usually the total charge of a plasma is _____.
- n. The pressure inside of a sealed tube if you raise the temperature goes _____.
- o. Forces of attraction in liquids are _____ than in solid.
- p. Liquids that move quickly downhill are described as having _____.

True and False

Question 2.

- a. Boiling is a bulk phenomenon.
- b. Evaporation is a surface phenomenon.
- c. The rate of evaporation depends only on the surface area exposed to the atmosphere.
- d. Latent heat of vaporization is the heat energy required to change 1 kg. of a liquid to gas at atmospheric pressure at its melting point.
- e. Water at room temperature is a liquid.
- f. Atoms in a liquid are farther apart than the atoms in a gas.
- g. The molecules in a gas are in constant motion.
- h. Gases present in air have the same pressure throughout the entire atmosphere.
- i. All materials move from solid to liquid to gas as the temperature increases.
- j. Because electrons have been stripped away from atoms in plasma, plasmas have a negative charge.
- k. It is just as easy to compress a liquid, as it is to compress a gas.
- l. Evaporation and boiling are the same processes because molecules move from a

liquid to gaseous state.

m. If we pour liquid nitrogen (N_2) into a glass, it will change its state to a solid.

n. You may find plasma in a star.

o. A system that changes from a solid state to a liquid state gains energy.

p. Plasmas are all made of the same ions. They have different colours due to different amounts of electricity.

☞ Very Short Answer Questions-

Question 3.

a. Name the three states of matter. Give one example of each.

b. What are the two ways in which the physical state of matter can be changed?

c. Explain how gases can be liquefied?

d. What is sublimation? Give examples.

e. Define latent heat of fusion.

f. Define latent heat of vaporization.

g. What produces more severe burns, boiling water or steam?

h. How can the boiling point of a liquid be raised, without adding any impurity?

i. In how many forms did the earlier scientists classify matter?

j. Why does a summer rainstorm lower the temperature?

k. A beaker of a liquid with a vapour pressure of 350 torr at 25°C is set alongside a beaker of water (Vapour pressure of 23.76 torr) and both are allowed to evaporate. In which liquid does the temperature change at a faster rate? Why

l. At a given temperature, one liquid has a vapour pressure of 240 torr and another measure 420 torr. Which liquid probably has the lower boiling point? Which probably has the lower heat of vaporization?

m. A drop of detol got evenly distributed in water. How?

n. Liquid nitrogen is used as a commercial refrigerant to flash freeze foods. Nitrogen boils at -196°C . What is this temperature on the Kelvin temperature scale?

o. What property or properties of gases can you point to support the assumption that most of the volume in a gas is empty space?

p. What is unit cell?

q. What is the effect on surface tension of temperature?

r. Surface tension is same for different liquids. Explain.

Question 4.

Explain why?

i. A gas fill a vessel completely.

ii. Camphor disappears without leaving any residue.

iii. The temperature does not rise during the process of melting and boiling, though heat energy is constantly supplied.

iv. Water stored in an earthen vessel becomes cool.

v. An iron almirah is a solid at room temperature.

Question 5.

Which phenomenon occurs during the following changes?

- ii. Wax melts in the sun.
- iii. Drying of wet clothes
- iv. Formation of clouds
- v. Density of liquids is more than gases.

Question 6.

Arrange the state in increasing order of the forces of attraction between the particles

- a) Liquid
- b) Gas
- c) Solid

Question 7.

On converting 25 °C, 38 °C and 66 °C to kelvin scale, the correct sequence of temperature will be

- (a) 298 K, 311 K and 339 K
- (b) 298 K, 300 K and 338 K
- (c) 273 K, 278 K and 543 K
- (d) 298 K, 310 K and 338 K

Match the column

Question 8. Match the following

Quantity	Units
Temperature	Pascal
Length	Kg
Mass	M
Volume	K
Density	m ³
Pressure	Kg/m ³

BIOLOGY:

CHAPTER- 1 Cell

A. Give reasons :

1. Raisins and dry apricots swell up when placed in a bowl containing water for sometime.
 2. Chromatin, chromatid and chromosomes are related to each other.
 3. Lysosomes are known as ' scavengers of the cells'.
 4. Plant cells possess large sized vacuole.
 5. Roots of plants have mostly leucoplasts in them than chloroplasts.
- B. 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. _____.

C. Multiple choice questions.:

1. Select the odd one out :
 - a. Membranes are made of organic molecules like proteins and lipids.
 - b. Molecules soluble in organic solvents can easily pass through membranes.
 - c. Plasma membranes contain chitin sugar in plants.
 - d. Movement of water across a semipermeable membrane is affected by the amount of substances dissolved in it.
2. Cell organelles without a cell membrane are
 - a. Nucleus
 - b. Chloroplasts
 - c. Ribosomes
 - d. Golgi apparatus
3. The proteins essential for building the cell membrane are manufactured by
 - a. Rough endoplasmic reticulum
 - b. Plasma membrane

c. Mitochondria

d. Golgi apparatus

4. Silver nitrate solution is used to study

a. Endoplasmic reticulum

b. Nucleus

c. Golgi apparatus

d. Mitochondria

5. Plasmolysis in a plant cell is defined as:

a. breakdown of plasma membrane in hypotonic medium

b. Shrinkage of cytoplasm in hypertonic medium

c. Shrinking of nucleoplasm

d. None of them

6. Amoeba acquires its food through this process:

a. exocytosis

b. endocytosis

c. plasmolysis

Higher order Thinking Skills:

1. A person with swollen gums rinses his mouth with lukewarm salt water and swelling of his gums decreases. This is because

- The gums absorb the salt water solution.

- The salt water solution lowers the temperature of the water in the gums.

- The salt in the solution moves against the concentration gradient.

- The water in the gums moves out due to high concentration of salt in the solution.

2. 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?



1-Prepare 20 objective questions each from these four chapters:

French Revolution,

India Size and Location,

What is Democracy, Why Democracy

Story of Village Palampur

2. Make a time line of the important events of the French Revolution and make a project on the importance of all the events.

3. Find out the important dams of India along with the name of the rivers on which it is built.

(The above ASSIGNMENT HAS TO BE DONE IN THE NOTEBOOK)

4. Collect the data and prepare report on any one of the recent disaster that has taken place in your country (last 2 years).

1. Flood, 2- Drought, 3- Earthquake, 4- Industrial Accidents

The project should be covered the following aspects:

- Meaning of Disaster, Hazard, Difference bet Hazard and Disaster, Disaster

Management and the various causes and mitigation measures of the disaster

chosen by you.

- Your project should be supported by the map of the area affected by the disaster and relevant and suitable photographs and paper cuttings.
- The project must be based on the guidelines mentioned by CBSE. For the guidelines refer to the CBSE websites

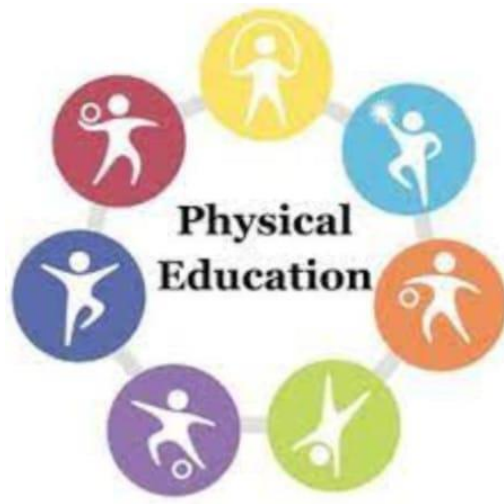
GENERAL GUIDELINES:

All the questions must be done in the most creative, accurate and innovative manner.

The activities must be done in the project files itself.

Usage of pictures and graphs is compulsory for the activities.

Revise and learn the questions and topics from the chapters completed till now.



Question 1: Which physical fitness test is used to assess cardiovascular endurance?

- (a) Push- ups test.
- b) sit and reach test.
- (c) Sit-ups test.
- d) Cooper run test.

Question 2: The flexibility that is increased with the help of pot is called:

- (a) Active flexibility
- (b) Passive flexibility
- (c) Both (a) and (b)

(d) All of the above

Question3) The ability to maintain equilibrium when stationary or moving:

(a) Accuracy.

(b) Flexibility.

(c) Balance.

(d) Agility.

Question 4: Exercising for longer duration with less weight is related to

(a) Endurance

(b) Strength

(c) Speed

(d) Co-ordination

Question5) Performing daily chores without any fatigue is:

(a) Mental wellness

(b) Dynamic ability

(c) Physical fitness

(d) None of these

Question 6: Which of the following is not a component of physical fitness ?

(a) Endurance

(b) Alertness

(c) Strength

(d) Agility

Question 7: Explosive strength is

(a) Flexibility and speed

(b) Speed and strength

(c) Endurance and speed

(d) None of these

Question 8: Coordinative abilities primarily depend upon

(a) Respiratory system

(b) Digestive system

(c) Central nervous system

(d) Circulatory system

Question 9: The maximum effort made to lift a weight is called:

(a) Explosive strength

(b) Endurance

(c) Speed

(d) Maximum strength

Question 10: Which of the following statements correctly define strength?

(a) The power that helps to lift and carry object

(b) The capacity to move a body part or whole body at a faster rate

(c) The ability to resist fatigue

(d) The ability to stretch muscles using external help

SHORT QUESTION ANSWERS

1) What do you mean by physical education?

2) Who is a physically fit person?

3) Should physical education and sports be an integral part of learning? Justify your answer. Give at least three reasons.

4) What do you mean by wellness?

5) Describe the importance of healthy positive lifestyle?

Long Question Answers

1) How can the healthy threat be prevented through lifestyle change? Discuss in detail:

2) Enlist the different components of Health -related fitness and explain them in detail?

Make an assignment file on Volleyball game.

- The key points which you have to write is :
- A) History of game.
- B) Rules of game
- C) Dimension of court.
- D) Total member of player.
- E) Common injuries in volleyball.
- F) Conclusion.

Answer this following questions also :

1. What are 3 important facts about volleyball?

2. Who is the founder of volleyball?

Project work

1. Aryan - विज्ञापन (chart)
2. Aish - नेताजी का चश्मा (Project)
3. Angad - ईमेल (project)
4. Aniksha - माता का आँचल (project)
5. Arman Bajwa - सूरदास के पद(chart)
6. Arman Lalka - संदेश लेखन (chart)
7. Dakshit - अलंकार (chart)
8. Diksha - Project on Layers of earth (<https://youtu.be/n7Y4i0k48m8>)
9. Garima - Project on volcano
10. Gurjaint - Project on earthquake (<https://youtu.be/v9oCahN1GpY>)
11. Harman Bajwa - Project on volcano (<https://youtu.be/rLOPdJdpKw8>)
12. Harman Gulia - Project on Earthquake (<https://youtu.be/v9oCahN1GpY>)
13. Harry - Chart preparation on Layers of Earth (<https://youtu.be/n7Y4i0k48m8>)
14. Himanshi - Project on volcano (<https://youtu.be/rLOPdJdpKw8>)
15. Himanshu - Chart on adjectives
16. Himanshu saini - Chart on A letter to God
17. Jiya - Project on adjective
18. Kalpana - Project on Dust of snow, fire and ice
19. Karan - Chart on Modals
20. Khushi - Project on Nelson Mandela
21. Lovepreet - Chart on Tenses
22. Manpreet - Chart on seed germination
23. Milan - Project on Human Digestive system
24. Pratigya - Project work on photosynthesis
25. Prachi - Project on Animal cell and plant cell
26. Punit - Project work on Types of plant cells
27. Raghav - Chart on Cell organelles
28. Ritampreet - Project on Photosynthesis
29. Rudra - Chart on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)
30. Samar - Chart on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)
31. Tanish - Chart on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)

32. Vanshika - Project on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)

33. Vinay - Chart on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)

34. Yashika - Project on types of motion (<https://youtu.be/gBwqamnPpAM?feature=shared>)

B.P.R. INTERNATIONAL SCHOOL PERIODIC TEST 1 SYLLABUS (2024-25) GRADE 9th	
SUBJECT	CONTENTS
ENGLISH	Literature - A letter to God, Dust of Snow One discursive paragraph Writing - Formal Letter Grammar - Present Tense
हिंदी	व्याकरण- पाठ 1. रचना के आधार पर वाक्य के भेद अपठित गद्यांश कृतिका- पाठ 1. माता का आंचल श्रुतिज- काव्य खंड सूरदास के पद
MATHS	Chapter-2 polynomials.
SCIENCE	Chemistry - Chapter 1 Matter in our surroundings Physics - Chapter 7 (Motion) Biology - Chapter 6 (Fundamental Unit of life) - Cell, Complete chapter with exercise
SOCIAL SCIENCE	GEOGRAPHY Chapter 1- Resources & Development Political Science Chapter 1
PHYSICAL EDUCATION	Physical fitness, Human health and disease, assessment and evaluation

