



DAV PUBLIC SCHOOL  
Sec-3,Dhurwa-Ranchi 4  
Affiliated to CBSE Delhi (10+2)  
Session: 2026-27



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**Class 9 , SST, Holiday Homework**

- I. **Make a 3D model of Layers of the Earth .**
- II. **File project work - ( Art integrated)**

**Topic - Shaping of the earth surface**

1. Index
2. Certificate
3. Acknowledgment
4. Introduction
5. Endogenic and Exogenic Forces
6. Weathering
7. Erosion
8. Deposition
9. Landforms Created by Rivers, Wind, and Glaciers
10. Art Integrated Activities
11. On World Map Mark:
  - Pacific Plate
  - Eurasian Plate
  - Indo-Australian Plate
  - Eurasian Plate
  - North American Plate
  - South American Plate
12. Conclusion
13. Bibliography

- III. **Making Poster on the topic of “Protect soil, protect life” .**



Class -IX

Holiday homework

Subject - Sanskrit

प्रश्न -1 अधोलिखित प्रश्नानां उत्तराणि लिखितुं।

क- कीदृशं व्रतं संस्कृतं ?

ख - संस्कृतं कस्य चमत्कारकम् ?

ग- जनः केन स्वावलंबी भवति?

घ- लघु लघुसञ्चयः अपि कालान्तरे केन रूपेण वर्धते?

ङ - स्वावलम्बनम् कस्य मूलं वर्तते?

प्रश्न-2 प्रत्यय लिखो ।

पाक्षिकः, धार्मिकः, गुणवान्, सेवनीयः, हसनीयः खलितव्यम्, अर्चितव्यम्, शीलवान्, अग्निमत्,  
बुद्धिमत्

प्रश्न -3 समास विग्रह कुरुत।

कूपपतितः, धनप्राप्तः, कर्मकुशलः, शास्त्रं पण्डितः

महापुरुषः, कृष्णसर्पः, घनश्यामः, त्रिभुवनं, रामलक्ष्मणौ उपकृष्णम्

प्रश्न -4 प्रथम पाठ का हिंदी अर्थ लिखो।

Project Work

प्रश्न -5 जैनधर्म के 24 तीर्थकरों में से 10 तीर्थकर का चित्र बनाकर नाम लिखो।

प्रश्न -6 सत्यं शिवं सुन्दरम् संस्कृतं पाठ का श्लोक लिखो और चित्र बनाओ।

प्रश्न -7 (समयः लेखनम्) घड़ी का चित्र बनाकर समय को संस्कृत में लिखो।

3:45

2:00

5:30

4:15

5:55



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Holiday homework

Subject:- Hindi

Class:- 9th

गंगा:-प्रश्न पाठ दो बैलों की कथा प्रश्न उत्तर याद कर लिखो।

प्रश्न 2 पाठ क्या लिखूं ?के प्रश्न उत्तर और शब्दार्थ को याद कर लिखो।

व्याकरण :- प्रश्न 3 समास किसे कहते हैं?

प्रश्न 4 समास के कितने भेद हैं? परिभाषा और 10 - 10 उदाहरण लिखें और याद करो ।

प्रश्न 5 अपने पाठ्य पुस्तक से 2 सूचना लेखन याद करो और लिखो ।

प्रश्न 6 दिए गए विषय पर अनुच्छेद लिखें ।

(मां के हर हर है मां के जीते जीत)

प्रश्न 7 फीस माफी हेतु प्रधानाचार्य को प्रार्थना पत्र लिखो।

प्रश्न 8 पाठ सिक्स रीड की हड्डी एकांकी से सुंदर सा परियोजना कार्य तैयार करें। (स्टिक फाइल में बनाएं)

प्रमाण पत्र, आभार, क्रम सूची ,भूमिका, लेखक परिचय, रचनाएं, पुरस्कार भाषा शैली ,साहित्यिक विशेषताएं। चित्र के साथ होना चाहिए।

पात्र विश्लेषण-उमा मुख्य पात्र के चरित्र माध्यम से नारी के स्वाभिमान को दर्शना।

वर्तमान परिदृश्य:-लडकियों के साथ भेदभाव होता है, अपने आस -पास के उदाहरण दे।

चित्र के साथ:- शिक्षित नारी, सशक्त, समाज, विषय पर पोस्टर बनाएं।

स्लोगन (नारा)- अपनी मातृभाषा में स्त्री शिक्षा पर 5 स्लोगन लिखे।



## CLASS-IX

### Holiday homework

#### Subject- computer

##### Part A: Learn and write:

1. Difference between ALU and CU with 1 example each.
2. Why is CPU called the brain of computer?
3. Name 2 input and 2 output devices used in online class.
4. Differentiate between primary memory and secondary memory?
5. Differentiate between RAM and ROM? Part B – Practical Activity

##### **Activity 1 – Computer Components Chart**

**Draw or paste pictures of the following components and write 2 lines about each:**

- CPU
- Monitor
- Keyboard
- Mouse
- Printer
- Scanner
- RAM
- Hard Disk

You may decorate the chart creatively.

##### **Activity 2 – Latest Technologies Research**

**Research any two modern technologies and write:**

- Definition
- Uses
- Advantages
- Disadvantages
- Real-life examples

Choose from:

- Artificial Intelligence
- Robotics
- 5G Technology

(Add pictures if possible.)



## Holiday homework (2026-27)

**Class -9**

**Sub-. Biology**

Q. I. Answer the following questions:

Q1. Why the cell is called the structural and Junctional unit of life?

Q2. Explain the functions and structure of Golgi bodies.

Q3. What is nucleoid?

Q4. What is the difference between plant cells and animal cells?

Q6. What are suicidal bags ?

Q7. What is the function of chromosomes? Sub-

Q8. Name the smallest cell in human body?

Q9. Which is the largest cell in human body?

Q10. Why Plant cells are are more rigid than animal cells?

Q11. Explain the process of osmosis in detail.

Q12. Who discovered cells, and how?

Q13. How do substances like CO<sub>2</sub> and water move in and out of the cell? Discuss.

Q14. Why is the plasma membrane called a selectively permeable membrane?

Q15. If the organisation of a cell is destroyed due to some physical or chemical influence, what will happen?

Q16. Why are lysosomes known as suicide hags?

Q17. Make a comparison and write down ways in which plant cells are also different from animal cells.

Q18. What would happen if the plasma membrane ruptures or breaks down

Q19. What would happen to the life of a cell if there was no Golgi apparatus?

Q20. Draw and label diagrams of plant cell and animal cell.



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## Q. 11. Project work

Make a project on natural resources

Prepare a brief write up on the topic -Natural resources

Types of natural resources - air, water and soil.

Biogeochemical cycle - oxygen, water, nitrogen, carbon dioxide cycle.

Global warming and ozone layer depletion.

## Physics

1. Chart paper projects : draw velocity time and distance time graph for uniform velocity and acceleration.
2. Solve 30 numerical problems on motion ( speed , velocity, acceleration and kinetic equation of motion) .
3. Write down the notes, solve exercise questions and revise chapter MOTION.
4. Make a project on showing applicability of the laws of physics in our daily life situation.

## Section A: Very Short Answer Questions

1. Define **Distance** and **Displacement**. Is displacement a scalar or a vector quantity?
2. What does the odometer of an automobile measure?
3. Under what condition is the magnitude of average velocity of an object equal to its average speed?
4. What is the SI unit of **Acceleration**?
5. What can you say about the motion of an object whose distance-time graph is a straight line parallel to the time axis?

## Section B: Short Answer Questions

1. Distinguish between **Uniform Motion** and **Non-Uniform Motion** with one example of each.
2. A farmer moves along the boundary of a square field of side  $10\text{ m}$  in  $40\text{ s}$ . What will be the magnitude of displacement of the farmer at the end of  $2\text{ minutes}$  }  $20\text{ seconds}$  } from his initial position?
3. What is **Uniform Circular Motion**? Why is it called an accelerated motion?
4. Explain the difference between **Speed** and **Velocity**.

## Section C: Long Answer & Numerical Questions



1. An object travels  $16\text{ m}$  in  $4\text{ s}$  and then another  $16\text{ m}$  in  $2\text{ s}$ . What is the average speed of the object?
2. Derive the first equation of motion  $v = u + at$  using the graphical method.
3. A bus decreases its speed from  $80\text{ km/h}$  to  $6\text{ km/h}$  in  $5\text{ s}$ . Find the acceleration of the bus.
4. A racing car has a uniform acceleration of  $4\text{ m/s}^2$ . What distance will it cover in  $10\text{ s}$  after start?

## Section D: Comprehensive & Graphical Questions

1. **Equations of Motion:** State the three equations of motion for an object moving with uniform acceleration. A stone is thrown in a vertically upward direction with a velocity of  $5\text{ m/s}$ . If the acceleration of the stone during its motion is  $10\text{ m/s}^2$  in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?
2. **Graphical Analysis:** Draw a Velocity-Time graph for:
  - An object moving with uniform acceleration.
  - An object moving with uniform retardation.
  - Explain how the distance traveled by an object can be calculated from a velocity-time graph.

## Chemistry

### Chapter - atomic foundation of matter

1. A particular element (A) has one electron in its third shell. There is another element (B) with six electrons in its second shell.
  - (i) How many electrons does A tend to give or take to become stable?
  - (ii) What kind of ion would it form?
  - (iii) How many electrons does B tend to give or take to become stable?
  - (iv) What kind of ion would it form?
  - (v) If A and B were to combine, what kind of bond would be formed?
  - (vi) What would be the formula for the compound thus formed?
2. An element X has six electrons in its outer shell and forms a diatomic molecule.
  - (i) Why would that be so?
  - (ii) What kind of bond would it form?
  - (iii) Draw the structure of the molecule it would form.
  - (iv) A certain other element Y has two electrons in its second shell. Draw the structure of the molecule that X would form with Y.
3. You want to design a new ionic compound, where the total positive



charge is 6+ and the total negative charge is 6-. Which of the following combinations gives the correct number of ions?

- (i) 2  $\text{Al}^{3+}$  and 3  $\text{Cl}^-$
- (ii) 3  $\text{Mg}^{2+}$  and 1  $\text{PO}_4^{3-}$
- (iii) 2  $\text{Fe}^{3+}$  and 3  $\text{O}^{2-}$
- (iv) 3  $\text{Ca}^{2+}$  and 2  $\text{SO}_4^{2-}$

4. Choose the correct statement(s) and correct the false statement(s).

- (i) Elements are made up of molecules and compounds are made up of atoms.
- (ii) The molecule of a compound is always made up of two or more atoms of the same kind.
- (iii) One molecule of nitrogen gas contains three nitrogen atoms.
- (iv) Water is made of two hydrogen atoms, covalently bonded with one oxygen atom.

5. Write the chemical formulae for the following compounds.

- (i) Aluminium nitrate
- (ii) Calcium oxide
- (iii) Ferric oxide

6. Write the formulae of the compounds formed from the following pairs of ions.

- (i)  $\text{Ca}^{2+}$  and  $\text{Br}^-$
- (ii)  $\text{Al}^{3+}$  and  $\text{CO}_3^{2-}$
- (iii)  $\text{K}^+$  and  $\text{SO}_4^{2-}$
- (iv)  $\text{NH}_4^+$  and  $\text{Cl}^-$

7. Write the formulae for the compounds formed by the reaction of:

- (i) Magnesium and nitrogen
- (ii) Lithium and nitrogen
- (iii) Sodium and sulfur
- (iv) Aluminium and oxygen

### Class 9 Economics Project

Topic: Family Monthly Expenditure Survey : -

Instructions for Students

Visit at least 5 families in your neighborhood.

Collect information about their monthly expenditure.

Prepare a survey table neatly in your project file.

Draw a Bar Graph or Pie Chart using the collected data.

Use different colors to make the graph attractive.

Write all answers in neat handwriting.



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Add a short conclusion at the end of the project.  
Submit the project with a proper cover page and index.

HOLIDAY HOMEWORK  
2026-2027

Class:IXth

SUBJECT: ENGLISH

Section A – “How I Taught My Grandmother to Read”

Very Short Answer Questions

Who wrote the story “How I Taught My Grandmother to Read”?

Who was the narrator of the story?

Why could the grandmother not read?

Which magazine carried the story every week?

What did the grandmother want to learn?

Short Answer Questions

Why did the grandmother feel dependent on others?



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How did the granddaughter help her grandmother?

Describe the determination of the grandmother.

What lesson do you learn from the story?

Why did the grandmother touch the feet of her granddaughter?

**Long Answer Question**

Explain how education can change a person's life with reference to the story.

**Section B – "The Pot Maker"**

**Very Short Answer Questions**

What does the potter make?

What material does the potter use?

Which tool helps the potter shape pots?

What qualities of the potter are shown in the poem?

Why is the potter's work important?

**Short Answer Questions**

Describe the working process of a potter.

Why is patience necessary for a potter?

How does the poem show the dignity of labour?

What message does the poem give us?

**Long Answer Question**

Write a paragraph on the life and hard work of a potter.

**Section C – "Bharat: Our Motherland"**

Bharat Our Motherland

**Very Short Answer Questions**

Why is India called our motherland?

What is the strength of India?

Name two qualities of Indian culture.



What should every citizen do for the nation?

Why should we respect our country?

### Short Answer Questions

Explain the idea of unity in diversity.

How can students serve the nation?

What makes India a unique country?

Why should we feel proud of our motherland?

Long Answer Question

Write an essay on "My Motherland India".

Section D – Grammar: Noun

### Noun

What is a noun?

What is a proper noun?

What is an abstract noun?

Identify the Nouns

Rohan lives in Ranchi.

The lion is a wild animal.

Honesty is a great virtue.

The team won the match.

My sister bought a new dress.

Fill in the Blanks

Delhi is the capital of \_\_\_\_\_.

A group of players is called a \_\_\_\_\_.

\_\_\_\_\_ is the best policy.

Classify the Nouns



Write whether the underlined noun is Proper, Common, Collective, or Abstract:

India is a beautiful country.

The crowd cheered loudly.

Kindness is appreciated everywhere.

The girl is singing.

## Section E – Grammar: Pronoun

### Pronoun

What is a pronoun?

Why are pronouns used in sentences?

Fill in the Blanks

Rahul is my friend. \_\_\_\_\_ is very honest.

Meena and I study together. \_\_\_\_\_ are classmates.

This pen belongs to Ravi. It is \_\_\_\_\_.

The boys are playing. \_\_\_\_\_ are happy.

Replace the Underlined Nouns with Pronouns

Sita is reading a book.

Ramesh and Mohan are friends.

The dog is barking loudly.

My mother cooks delicious food.

Multiple Choice Questions

Which of the following is a pronoun?

- a) School
- b) Beautiful
- c) They
- d) Quickly



Which sentence contains a pronoun?

- a) The sun is shining.
- b) She is my sister.
- c) The flower is red.
- d) Ravi plays cricket.

Section F – Creative Writing

Paragraph Writing

Write a paragraph on “Importance of Education”.

Write 10 lines on “My Motherland India”.

Describe the work of a potter.

Activity

Draw a potter making pots and describe it in five sentences.

Prepare a chart showing different types of nouns with examples.

