



**WINTER HOLIDAY
HOME WORK
CLASS IX
SESSION: 2024-2025**

STUDENT NAME: _____

ROLL NO: _____

Winter Vacation is probably the best time of the year for you all; it's time for loads of fun, though we can't go out but getting pampered to no end and of course bonding with distant cousins can be done virtually. School is fun too; with learning happening at all times, Winter vacation can also be a time for learning with lots of activities around. Here are a few tasks for you to complete during the vacation. Do remember to complete the given tasks after reading them carefully.

Some Tips to make this holiday special:

- Have a family dinner every day of the holidays.
- Play board games with your parents and sibling and show them who is the smartest.

Spend some quality time with an elderly person in the family



Some useful tips for winter vacation

Some dos and don'ts during winter vacation:

Do's

- Eat a nutritious diet with plenty of water. Include citrus fruits (orange, lemon, grapefruit) and vegetables which are rich in vitamin C, vitamin D containing foods (cheese, egg yolks) and zinc-containing foods (legumes, lentils, beans, and nuts).
- Wash your hands frequently, always with soap and water for at least 20 seconds or frequently use alcohol-based hand rub.
- Wear light cotton clothes.
- Protect yourself and others.
- Be a leader in keeping yourself, your school, family and community healthy.
- Cough and sneeze into a tissue or your elbow and avoid touching your face, eyes, mouth and nose.
- Share what you learn about preventing disease with your family and friends, especially with younger children.



Don'ts:

- Do not share cups, eating, utensils, food or drinks with others.
- Do not have close contacts with a sick person.
- Do not participate in large gatherings.
- Do not touch your face, nose and eyes without washing hands.
- Don't dirty your place of living.
- Don't have junk food.
- Don't watch too much TV.
- Don't waste time being lazy.

HINDI

LEARNING WORKS

- I-प्रत्यय किसे कहते हैं तथा कृत प्रत्यय और तद्धित प्रत्यय में अंतर स्पष्ट कीजिए?
- II-सुविधा और मनोरंजन के उपकरणों से बच्चे वंचित क्यों हैं
- III-आज्ञार्थक वाक्य किसे कहते हैं उदाहरण देकर परिभाषित कीजिए ?
- IV-वाक्य किसे कहते हैं, अर्थ के आधार पर वाक्य के कितने भेद होते हैं ? नाम लिखिए
- V-कवि ने गांव को 'हरता जनमन' क्यों कहा है
- Vi. समास के कितने भेद होते हैं ? कर्म धारय समास को उदाहरण सहित परिभाषित कीजिए ।
- Vii. साँवले सपनों की याद" शीर्षक की सार्थकता पर टिप्पणी कीजिए?
- Viii. महादेवी वर्मा ने अपने मां के व्यक्तित्व की किन-किन विशेषताओं का उल्लेख किया है?

WRITTEN WORK -

1-अनुच्छेद लेखन लिखिए

बेटी बचाओ बेटी पढ़ाओ (संकेतबिंदु:-कार्यक्रम का प्रारंभ, हरियाणा में कम लिंगानुपात, जागरूकता अभियान)
अथवा

जल संरक्षण(संकेत बिंदु:-जल की आवश्यकता, पेयजल की उपलब्धता, जल संरक्षण के तरीके)

2-अपने मित्र को, उसके जन्मदिन पर बधाई देने के लिए पत्र लिखिए

3-बोर्ड परीक्षा की तैयारी के संबंध में दो मित्रों के बीच संवाद लिखिए

4-आपके विद्यालय के वार्षिक उत्सव के नाटक मंचन हेतु इच्छुक छात्रों को जानकारी देने हेतु एक सूचना तैयार कीजिए

5-'आकाश में इंद्रधनुष दिखा' प्रकरण पर लघु कथा लिखिए

रचनात्मक कार्य-

प्रकृति विषय पर विभिन्न पत्र पत्रिकाओं से संचित चित्र संकलित कर एल्बम बनाया प्रत्येक चित्र में होने वाली क्रिया भी लिखिए जैसे-उड़ते पक्षी बहता झरना

अथवा

2- किसी भी एक प्रदेश की जानकारी देते हुए चित्र चिपकाकर फाइल बनाया उसके शीश उसका शीर्षक भी लिखिए

MATHS

LEARNING WORK :

- 1-Learn all the basic definitions and concepts used in ANNUAL syllabus.
- 2-Learn all the formulae used in the book.

WRITTEN WORK :

SOLVE THE FOLLOWING QUESTIONS:

1-Show that $0.2353535\dots$ can be represented in the form of p/q , where p and q are integers and q is not equals to zero.

2-Solve the following :

$$(3a-4b)^3$$

$$(2a+3b)^2$$

$$(3a-5b+4c)^2$$

$$(2x+y+3z)^2$$

3-Find the four solution of each of the following equations.

$$2x+3y=-9$$

$$Y=7x$$

$$2x-5y=-14$$

4-Show that the angles of an equilateral triangle are 60 degree.

5-If the diagonals of a parallelogram are equal, then show that it is a rectangle.

6-Prove that the angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle.

7-Sides of a triangle are in the ration of 12:17:25 and its perimeter is 540cm. Find its area.

8-A hemispherical bowl is made of steel is 0.25 cm thick. The inner radius of the bowl is 5 cm. Find the inner and outer curved surface area of the bowl.

9-The triangular side walls of a flyover have been used for advertisements. The sides of the walls are 122 m, 22 m and 120 m (see Fig). The advertisements yield an earning of Rs 5000 per m² per year. A company hired one of its walls for 6 months. How much rent did it pay?

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

PROJECT WORK :

1-Collect the data of birthday months of 25 people to get a good range of data and make the table and represent it through bargraph.

2-Collect the data of blood group of 15 families people to get a good range of data and make the table and represent it through a pie chart.

SOCIAL SCIENCE

LEARN AND REVISE QUESTIONS AND ANSWERS of Unit-5,6,7 chapters of (History,Civics, Geography)

WRITING WORK

Answer the following questions

- 1- How many voters took part in campaign-related activities during the 2004 elections?
- 2- What do you mean by “Universal Adult franchises”?
- 3- What do you understand by the ‘Polling Day’?
- 4- Discuss the major components of population growth.
- 5- What is the relation between occupational structure and development?

6-What factors are responsible for the distribution of plants and animals in India?

7-Discuss how the changes in forest management in the colonial period affected the following groups of people:

8- What do you understand by 'people as a resource'?

9- How is human resource different from other resources like land and physical capital?

10- What is the role of health in human capital formation?

Note*:- All the Questions students will do in class work copy of SST

PROJECT WORK:-

(To be complete in Milky Project file separately)

Conservation of Natural Resources

A-Collect information on Bioreserves, National Parks and Wildlife Sanctuaries focusing on the policy of conservation of endangered species.

B-Collect pictures, travel. Writings, photographs and brochures to describe the special

Characteristics of these natural reserves

SCIENCE

PHYSICS

LEARNING –

State Newton's three laws of motion with examples.

WRITING-

I-What is sound? How is it produced?

II Differentiate between longitudinal and transverse waves with examples.

III-How does the speed of sound vary with the medium? Explain.

PROJECT-

Show how objects float or sink based on their density compared to the water. You can create a small boat out of different materials like wood, plastic, and metal, and calculate their density.

BIOLOGY-

LEARNING

Q.1 cropping pattern.

Q.2 learn about plant tissues.

Q 3 learn about division of labour.

Q.4 learn about organic farming.

WRITING

Write about plant cell.

Write about animal tissues.

Write 3 species of buffalo.

Write 3 species of cattle.

PROJECT –

Collect different types of crops and paste it in your note book.

CHEMISTRY –

LEARNING –

Define matter and explain its three states.

WRITING –

- 1. What is the law of conservation of mass? Explain with an example.**
- 2. Define atomic number and mass number. How are they related to each other?**
- 3. What are acids and bases? Write their properties.**

COMPUTER

LEARN

1-Learn PT-3 syllabus

2-Learn about the different operating systems.

3-Learn about the communication technology.

4-Learn about the different types of Networks.

WRITTEN WORK

Q1-Write the steps to choose the predefined style for the shapes.

Q2-How a smart art graphics can be used in presentation.

Q3-Write the steps to insert pictures online.

Q4-Write the steps to add the sound and duration of sound in your presentation.

Q5-What are the difference between spreadsheet and worksheet?

Q6-How can you adjust the column width automatically with out using the option of autofit column width?

Q7-What is formula bar?

Q8-Define the term chart?

Q9-Write the difference between column chart and pie chart.

Q10-How can you create a worksheet?

PROJECT WORK

1.Make Shopping bill worksheet and create a chart to represent data.

2.Make the presentations on any topic and use following instructions:

- Pollution**
- Indus Valley Civilization**
- Computer in our Daily Lives**
- . Save Our Planet – Earth**
- Books are my Best Friend**

Insert pictures relevant to the text. Pictures can be also be downloaded from Internet and saved in your computer's folder.

You can also change the slide layout of the existing slide to adjust both text and picture.

Resize and rotate an image.

4. Arrange the pictures by using the options Bring to Front and Send to Back.

5. Put border and picture effects around the picture.

6. Prepare a SmartArt.

7. Add shapes to highlight important information. Using Shape Fill options, fill the box with textures or gradient.

8. Insert a table to represent data if any.

ENGLISH

LEARNING OUTCOME-BASED QUESTION (1)

How does the poem “The Lake Isle of Innisfree” by W.B. Yeats relate to the concept of escapism? Analyze the poem and explain how it reflects the human desire to escape the stresses of everyday life. (Word limit: 250-300 words)

WRITING WORK

TEXTBOOK-BASED QUESTIONS (10)

BEEHIVE

1. What is the central theme of the story “The Fun They Had”? How does the author, Isaac Asimov, develop this theme throughout the story?
2. In the poem “The Road Not Taken”, what does the speaker mean by “I took the one less traveled by”? What symbolism can be inferred from this line?
3. Describe any two characters from the story “A Truly Beautiful Mind”. What role do they play in the story?
4. What is the significance of the title “A slumber did my spirit seal” in the poem?
5. Analyze the character of the narrator in the story “The Lost Child”. What emotions does the narrator experience throughout the story?
6. What is the central theme of the story “ishwaran the story teller”?
7. Describe the character of the old gardener in the story “The Last Leaf”. What symbolism can be inferred from his character?
8. Analyze the poem “On killing a tree”. What message does the poet convey through this poem?
9. What role does a teacher play in APJ Abdul kalam’s life?
10. What are your thoughts after reading the poem “no men are foreign”?

SURVEY-BASED QUESTION (1)

1. Conduct a survey of 10-15 people in your neighborhood or community to gather information about their reading habits. Ask questions such as:
 - What types of books do you enjoy reading?
 - How often do you read?
 - What motivates you to read?
 - Do you prefer physical books or e-books?

Analyze the data collected and present your findings in a short report (Word limit: 200-250 words).

Where to do- text book based questions (10)are to be done in class work notebooks

Survey report is to be made in a project/milky file

