

HOLIDAY HOMEWORK
WINTER VACATION
CLASS- IX

ENGLISH

1. Diary Entry: Write a diary entry describing how you spent a memorable day of your holidays. Include details about the activities, emotions, and people involved. (150-200 words)
2. Story Writing: Write a short story based on the following prompt: "While cleaning the attic, I found an old, mysterious box with a letter inside..." (200-250 words)
3. Modals Practice: Complete the sentences using suitable modals (can, could, may, might, must, shall, should, will, would): a. You _____ finish your homework before watching TV. b. We _____ go to the park if it doesn't rain tomorrow. c. He _____ not be feeling well, that's why he is absent. d. _____ you help me carry this bag, please? e. Students _____ respect their teachers.

HINDI

1. निम्नलिखित में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए:

(क) मोबाइल : शिक्षा जगत में क्रांति का आधार विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए।

- i. वर्तमान में शिक्षा जगत में इसकी अनिवार्यता
ii. सकारात्मक प्रभाव
iii. दुष्प्रभाव
iv. सुझाव

(ख) पुस्तक की आत्मकथा विषय पर संकेत बिंदुओं के आधार पर 80-100 शब्दों में अनुच्छेद लिखिए :

- i. मैं हूँ
ii. मेरी विशेष बातें
iii. क्या सोचते हैं लोग मेरे बारे में

(ग) लड़का-लड़की एकसमान विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए।

संकेत बिंदु:

- i. इस सोच की आवश्यकता क्यों?
ii. लड़कियों को बढ़ावा कैसे?
iii. देश-समाज पर प्रभाव,
iv. सुझाव

2. आपके स्कूल के पुस्तकालय में अंग्रेज़ी के अनुपात में हिन्दी की पुस्तकें और पत्रिकाएँ बहुत कम हैं। हिन्दी पुस्तकों और पत्रिकाओं की आवश्यकता बताते हुए विद्यालय के प्रधानाचार्य को लगभग 120 शब्दों में पत्र लिखिए।

अथवा

नित्य प्रातःकाल उठकर खुली हवा में घूमने और व्यायाम करने की सलाह देते हुए अपने छोटे भाई/बहन को एक पत्र लगभग 80-100 शब्दों में लिखिए।

3. ईमानदारी का फल विषय पर एक लघुकथा लिखिए।

4. स्वच्छता-अभियान पर माँ-बेटी के बीच संवाद को लगभग 50 शब्दों में लिखिए।

MATHS

Q.No.1: Activity work-working model anyone of the following:-

- i) histogram ii) bar graph iii) frequency polygon

Q.No-2: Project work:

Write about any one of the mathematician and his contributions:

- i) Brahmagupta ii) Bhaskara-I iii) Bhaskara –II iv) Aryabhata v) Shrinivasa Ramanujan.

Q.No-3 Pen-Paper work:

i) locate the following on the number line: 2, 3, 5.

ii) Evaluate the following

- (a) $(104)^3$ (b) $(999)^3$ (c) $(125)^{\frac{1}{3}}$ (d) $7\frac{1}{2} \cdot 8\frac{1}{2}$ (e) $2\frac{2}{3} \cdot 2$

PHYSICS

- 1) Explain force and classify its type with suitable example.
- 2) Solve Derivation Of Newton law of gravitational force , prove $g = GM/R.R.$
- 3) Complete activity copy.

CHEMISTRY

- 1) Make a table of ions and write the formulas of compounds given in NCERT (CHAPTER-3).
- 2) Prepare a chart / charts or project on atomic models.(Thomson model , Rutherford model and Bohr's model)
- 3) Write the NCERT In-text questions and answers of chapters 2 and 3.

BIOLOGY

Fill in the blanks

- (i) Pigeon pea is a good source of _____.
- (ii) Berseem is an important _____ crop.
- (iii) The crops which are grown in rainy season are called _____ crops.
- (iv) _____ are rich in vitamins.
- (v) _____ crop grows in winter season
- (vi) Pigeon pea is a good source of _____.
- (vii) Berseem is an important _____ crop.
- (viii) Photoperiod affect the _____.
- (ix) Kharif crops are cultivated from _____ to _____.
- (x) Rabi crops are cultivated from _____ to _____.
- (xi) Paddy, maize, green gram and black gram are _____ crops.
- (xii) Wheat, gram, pea, mustard are _____ crops.
- (xiii) A total of _____ nutrients are essential to plants.
- (xiv) _____ and _____ are supplied by air to plants.
- (xv) _____ is supplied by water to plants.
- (xvi) Soil supply _____ nutrients to plants.
- (xvii) The nutrients that are required in large quantity are called as _____.
- (xviii) The nutrients needed in small quantity for plants are called _____.

2. Give one word for the following.

- (a) Farming without the use of chemicals as fertilizers, herbicides and Pesticides is known as _____.
- (b) Growing of wheat and groundnut on the same field is called as _____.
- (c) Planting soyabean and maize in alternate rows in the same field is called as _____.
- (d) Growing different crops on a piece of land in pre-planned succession is known as _____.
- (e) Xanthium and Parthenium are commonly known as _____.
- (f) Causal organism of any disease is called as _____.

3. Arrange these statements in correct sequence of preparation of green manure.

- (a) Green plants are decomposed in soil.
- (b) Green plants are cultivated for preparing manure or crop plant parts are used.
- (c) Plants are ploughed and mixed into the soil.
- (d) After decomposition it becomes green manure

COMPUTER

Question 1: Create and Analyze a Data Sheet

Create an Excel worksheet to record the monthly expenses of your household for January to June. Follow the instructions below:

1. Create columns for Month, Groceries, Utilities, Transportation, Entertainment, and Total Expenses.
2. Enter appropriate data for each category.
3. Use a formula to calculate the Total Expenses for each month.
4. Create a Bar Chart to visually represent the monthly expenses.

5. Identify the month with the highest and lowest expenses and write a short analysis (50-70 words).

6. Save your file as " Monthly_Expenses.xlsx " and submit it.

Question 2: Create a Grade Sheet for a Class

Create an Excel worksheet to calculate and analyze the marks of five students in three subjects (Mathematics, Science, English). Follow these steps:

1. Create columns for Student Name, Mathematics, Science, English, Total Marks, Percentage, and Grade.

2. Enter random marks for five students (out of 100 for each subject).

3. Use formulas to calculate:

o Total Marks for each student.

o Percentage for each student.

o Grade based on the percentage:

A+ for $\geq 90\%$

A for 80%-89%

B for 70%-79%

C for 60%-69%

D for $< 60\%$

4. Create a Pie Chart to display the percentage distribution of marks for any one student.

5. Save your file as " Student_Grade_Sheet.xlsx" and submit it.

HISTORY

Section C&D

Q.1. Thousands of tribals and other forest dwellers gathered at Piparia in Hoshangabad district in Madhya Pradesh to protest against their proposed displacement from the Satpura National Park, Bori Wildlife Sanctuary and Panchmarhi Wildlife Sanctuary. They argue that such a displacement is an attack on their livelihood and beliefs. Government claims that their displacement is essential for the development of the area and for protection of wildlife. Write a petition on behalf of the forest dwellers to the NHRC, a response from the government and a report of the NHRC on this matter.

Q.2. When Madhurima went to the property registration office, the Registrar told her, “You can’t write your name as Madhurima Banerjee d/o A. K. Banerjee. You are married, so you must give your husband’s name. Your husband’s surname is Rao. So your name should be changed to Madhurima Rao.” She did not agree. She said “If my husband’s name has not changed after marriage, why should mine?”

In your opinion who is right in this dispute? And why?

Section- A&B

1. Look at figure 29 and 30 of your history book at page number 70 and answer the following question: What do they tell us about Nazi propaganda? How are the Nazis trying to mobilise different sections of the population?

2. Meet the mayor or municipal chairperson of your town all the president of Zilla Parishad of your district and ask him or her about how the city town or district is administered.

3. On an outline map of India show the following:

a. Mountain and hill ranges -the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravalli and the Cardamom hills.

b. Peaks -K2, kanchanjanga, Nanga parbat and the Anai Mudi. c. Plateaus, Chhota Nagpur and Malwa

d. The Indian desert, Western Ghats Lakshadweep Islands.

GEOGRAPHY

(Section C- D)

1- Show Population density on map of India and

2- Find out the details of Census 2011 of India.