



Arwachin Bharti Bhawan Sr. Sec. School, Vivek Vihar

**Winter Break Holidays Homework (Jan-26)**

**Class IX**

**ENGLISH**

**Descriptive Writing**

1: Write a descriptive paragraph (150–200 words) on one of the following prompts. Use sophisticated vocabulary.

A: Imagine you are Gerrard. Tell your friend what happened when the Intruder broke into your house. (In portfolio)

2: The poem "On Killing a Tree" uses the detailed, step-by-step process of destroying a tree as an extended metaphor. What do you believe the tree and the act of killing it ultimately symbolize in the context of human society and nature? write an essay or Create a visual presentation (e.g., a poster, a digital slideshow) that explores and justifies your interpretation. (In portfolio)

3. Revise the rules of integrated grammar.

4. Complete your English notebook and portfolio and revise UT3 syllabus.

**हिंदी**

शीतकालीन अवकाश गृह कार्य **2025-2026**

1. अपनी पाठ्यपुस्तक के पाठों से 20 उपसर्ग और 20 प्रत्यय वाले शब्द छाँटकर उनके मूल शब्द अलग करके लिखें।
2. अपनी छुट्टियों के अनुभवों को बताते हुए अपने मित्र को एक अनौपचारिक पत्र लिखें।
3. "आर्टिफिशियल इंटेलिजेंस " और "प्रौद्योगिकी का समाज में प्रभाव" विषय पर 100-150 शब्दों में अनुच्छेद लिखो।
4. टर्म 2 का प्रश्न-पत्र सरल कीजिए।
5. अभी तक करवाये गए सभी पाठ याद करो और कठिन शब्दों का अभ्यास करो।

6. 'एवरेस्ट: मेरी शिखर यात्रा' पाठ से प्रेरणा लेकर अपनी किसी यात्रा का वर्णन चित्रों के साथ एक स्कैपबुक में करें।  
(नोट- प्रश्न 1,2,3,4 fair कॉपी में करना है।)

## **MATHS**

- Do 10 extra questions each of Ch - Circles & Surface Area and Volume from B.K. Singh
- Complete the activities in Activity File
- Solve two Sample Papers and attach in Portfolio File.

## **SCIENCE**

1. Complete your practical file work including all experiments given in the file.
2. Revise UT-III Syllabus thoroughly.

**Syllabus of UT-III :-**

**Ch- 4 structure of Atom**

**Ch- 10 Work and Energy**

3. Portfolio work:- Solve the given assignment and attach it in portfolio

Qn 1. Define valency. How is the valency of an element determined from its electronic configuration.

Qn 2. How isobars differ from isotopes ?

Qn 3. An element has an electronic configuration 2,8,3

i) What is the atomic no.?

ii) Is this element metal or non-metal? Give reason.

iii) What will be the formula of chloride,

Q 4. An ion  $X^{2+}$  has 10 electrons and 12 neutrons. What is the atomic no. and mass no. of element X ?

Qn 5. Explain Bohr's Model, Rutherford's Model and Thomson's Model.

Qn 6. Which of the following have greater kinetic energy; train or honey bee?

Qn 7. Is it possible force is acting on a body but work done is zero? Give one Example.

Qn 8. Define power, work done and also mention SI units.

Qn 9. The masses of scooter and bike are in the same ratio 2:3. But with same speed of 108 km/hr.

Compute the ratio of kinetic energy .

Qn 10. An arrow moves forward from a stretched bow. Explain transformation of energy in the process.

## **SOCIAL SCIENCE**

1. History – Ch-4 Forest society and colonialisation

Collect photographs of lives festivals and customs of tribal society found in different parts of forest in India and write about it. Do it in portfolio Ch-5 – Pastoralist in the modern world – Paste the maps in your History notebook

2. Revise UT-3 syllabus

3. Complete your notebooks and portfolio

## **ARTIFICIAL INTELLIGENCE**

### **Activity**

Write a letter/ an email to future self.

1. Imagine your future in the 2050 year (related to AI).
2. Type a letter or an email to your future self about what you want to see in the future or what you want to remind to your future.
3. The following points can be included in letter/email: a) Start with your interests, hobbies, and skills. b) Relate how AI can help you c) Write about your career you want to pursue and how AI will make an impact on that.
4. Save the letter/ email in PDF format and print / write , submit hard copy Activity 2: Write Pros and Cons of Artificial Intelligence.

## **INFORMATION TECHNOLOGY**

### **# Area of Applications of a Computer System**

- IPO Cycle
- Input and Output Devices Prepare a project file
- First Page: Make an Introduction page.
- Second Page: Make an Index page
- Third Page: Write the definition of Computer and draw a Computer system diagram.
- Fourth Page: Write about Open Office Writer.
- Fifth Page: Draw Open Office Writer Window

## **FRENCH**

### **1. Bande dessinée (Comic Strip)**

- Crée une BD en français (4-6 cases) sur un thème :
  - Ex : “Un jour à la plage avec mes amis”
  - Inclus des bulles de dialogue (ex : “C’est génial !”)
- Sois créatif(ve) avec les dessins et le texte !
  - 2. Revise for UT 3.

## **संस्कृत**

- (1). **UT. 3.** का पाठ्यक्रम अभ्यास करें।
- (२). संस्कृत पोर्टफोलियो एवं उत्तरपुस्तिका (कॉपी) पूर्ण करें (इन्टरनल मार्क) हेतु ।
- (3)- संस्कृत भाषा में नूतन वर्ष (**NEW YEARS**) पर एक पी. पी. टी निर्माण करें।
- (4). संस्कृत भाषा में एक नूतन वर्ष अभिनन्दन"