

# ENGLISH

**DAV PUBLIC SCHOOL, KOYLANAGAR, DHANBAD**

**HOLIDAY HOMEWORK**

**CLASS -XI**

**SESSION - 2026 – 2027**

**General Instructions :**

**A. Write all the answers according to word limit.**

**B. Use a covered Note Book maintaining handwriting.**

**Q.No.1 You are Kabir/Kavya, the P.A to G.M, L & T Com.Pvt.Ltd. You have been asked to write two advertisements separately to be published in the classified column of a newspaper for two vacant posts, one of a Software Engineer and the other of a Steno-Typist in your company. Write these advertisements in not more than 50 words each..**

**Q.No.2 ( A) Write a debate in about 120-150 words either for or against the topic 'Technology has made us extremely dependent on its existence.'**

**(B)'The govt. has banned the use of animals in the laboratories for the purpose of dissection'. Write a debate in 120-150 words either for or against this decision.**

## **LITERATURE**

**Q.No.3 In about 150 words write the Biography of Khushwant Singh, the writer of 'The Portrait Of A Lady'.**

**Q.No.4 Write the character-sketch of the grandmother of Khushwant Singh. (150 words)**

**Q.No.5 Stanzawise explanation of the poem 'A Photograph'.**

**Note: Use black ink for writing the stanzas and blue ink for explanation.**

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सत्र -२०२६-२७

कक्षा -ग्यारहवीं  
विषय -हिंदी

निम्नलिखित प्रश्नों के उत्तर अपनी उत्तर पुस्तिका में शुद्ध-शुद्ध लिखें।

1. परमात्मा को पाने के लिए कवीर किन दोषों से दूर रहने की सलाह देते हैं?
2. मियां नसीरुद्दीन के अनुसार सच्ची तालीम क्या है?
3. नमक का दारोगा कहानी धन पर धर्म की विजय की कहानी है। प्रमाण द्वारा स्पष्ट कीजिए।
4. ओहदे को पीर का मजार क्यों कहा गया है? 'नमक का दारोगा' पाठ के आधार पर उत्तर दीजिए।
5. "दुनिया सोती थी पर दुनिया की जीभ जागती थी" से क्या तात्पर्य है?
6. मोराबाई किसे देखकर प्रसन्न और किसे देखकर रोती हैं? पद के आधार पर उत्तर दीजिए।
7. संत रेदास, नानक और दादू आदि कवियों के व्यक्तित्व और कृतित्व पर एक परियोजना कार्य तैयार करें। (फाइल में बनाएं)

*Sumi*  
15/5/26

SUMMER VOCATION HOMEWORK -

CLASS – XI SUBJECT :- INFORMATICS PRACTICES(065)

1. What is computer memory ? Explain different types of computer memory.
2. What are memory units ? Explain different types of memory units.
3. What are language translator ? Explain different types of language translator .
4. Write a python program that will read a number 'n' and print  $n^2$ ,  $n^3$  and  $n^4$ .
5. Write a python program that will find compound interest by taking principle, rate and time as user input.

Note:- all the work must be solved in class work copy.



**Subject: Physical Education**

**Class: XI**

Q.1 Define Physical Education and explain its aim and objectives in detail.

Q.2 Explain the historical development of Physical Education in India after *gaining independence*.

Q.3 How has technology impacted various aspects of sports, including *playing surfaces, safety equipment, and performance analysis*?

Q.4 What are the various career options in Physical Education? Discuss the *teaching career in detail*.

Q.5 Elaborate the 'Khelo India' Programme in detail.

Q.6 Write short notes on the following:

- a. Career in book writing
- b. Career in sports photography
- c. Career in sports media

Q.7 Describe the logo of the Fit India movement and the symbolism of the elements in the logo.



DAV Public School, Koylanagar

Holiday Home-work.

Std: ~~XI~~ : Subject: Mathematics

Topic: Trigonometric Functions

BOOK: NCERT

① EX: 3.2

Q.No: 4, 5

② EX: 3.3

Q.No: 6, 8, 9, 10, 13

③ EX: → Miscellaneous Exercise on  
chapter - I.

Q.No: 2, 3, 4, 5, 8, 9, 10

← X ←

# HOLIDAY HOMEWORK CLASS XI

## PHYSICS

**Content:**

Chapter: **Units and Measurement**

1. Recall all the work completed in the classes and notes copy should be upto date.
2. Define the following terms: (i)Light year (ii)Parsecond (iii) Astronomical unit (IV) parallex
3. Write dimension formula for fifty physical quantities.
4. Solve NCERT questions of chapter unit and measurement.
5. Solve previous year Jee Main question(and NEET for PCB students) from 2021-2026.

**NOTE:**

NCERT AND PYQ must be done in separate copy.

# SUMMER VACATION HOMEWORK

## Class XI – Chemistry

### Chapter 1: Some Basic Concepts of Chemistry

- Q.1** Calculate the molar mass of the following:  
(i)  $\text{H}_2\text{O}$   
(ii)  $\text{CO}_2$   
(iii)  $\text{CH}_4$
- Q.2** Calculate the mass per cent of different elements present in sodium sulphate ( $\text{Na}_2\text{SO}_4$ ).
- Q.3** Determine the empirical formula of an oxide of iron, which has 69.9% iron and 30.1% dioxygen by mass.
- Q.4** Calculate the amount of carbon dioxide that could be produced when:  
(i) 1 mole of carbon is burnt in air.  
(ii) 1 mole of carbon is burnt in 16 g of dioxygen.  
(iii) 2 moles of carbon are burnt in 16 g of dioxygen.
- Q.5** Calculate the mass of sodium acetate ( $\text{CH}_3\text{COONa}$ ) required to make 500 mL of 0.375 molar aqueous solution.
- Q.6** Calculate the concentration of nitric acid in moles per litre in a sample which has a density  $1.41 \text{ g mL}^{-1}$  and the mass per cent of nitric acid in it being 69%.
- Q.7** Determine the molecular formula of an oxide of iron, in which the mass per cent of iron and oxygen are 69.9 and 30.1 respectively.
- Q.8** If the density of methanol is  $0.793 \text{ kg L}^{-1}$ , what volume of methanol is needed for making 2.5 L of its 0.25 M solution?
- Q.9** How are 0.50 mol  $\text{Na}_2\text{CO}_3$  and 0.50 M  $\text{Na}_2\text{CO}_3$  different?
- Q.10** Which one of the following will have the largest number of atoms?  
(i) 1 g Au(s)  
(ii) 1 g Na(s)  
(iii) 1 g Li(s)  
(iv) 1 g  $\text{Cl}_2$ (g)
- Q.11** What will be the mass of one  $^{12}\text{C}$  atom in grams?
- Q.12** A welding fuel gas contains carbon and hydrogen only. Burning a small sample of it in oxygen gives 3.38 g carbon dioxide, 0.690 g of water and no other products. A volume of 10.0 L (measured at STP) of this welding gas is found to weigh 11.6 g. Calculate:  
(i) Empirical formula  
(ii) Molar mass of the gas  
(iii) Molecular formula



# Summer Vacation Home Work of Biology session 2026-27

## Std XI

### CHAPTER-1 - (The Living World)

- Q1 - Write the Universal rules of Writing Scientific Names.
- Q2 - What is Binomial Nomenclature? Who has given this system?
- Q3 - What is taxonomy? Name the processes that are the basic to taxonomy.
- Q!-4. Taxonomic studies are going to be useful to which fields/ streams?
- Q!-5. What is taxonomic hierarchy? Write the taxonomic categories showing hierarchical arrangement in ascending order.
- ⇒ Any Fifty MCA type question solved from this chapter.

### CHAPTER-2 (Biological Classification)

- Q!-6 Explain with examples why two kingdom classification became insufficient.
- Q!-7 Write the economic importance of members of Ascomycetes.
- Q!-8 Write the contribution of following scientists in discovery of viruses.
- i) Pasteur    ii) D. J. Ivanowsky    iii) M. W. Beijerinck
- iv) W. M. Stanley.
- Q!-9 Differentiate between Chrysophytes and dinoflagellates.
- Q!-10 - Draw a labelled diagram of bacteriophage.
- ⇒ Any Fifty MCA type question solved from this chapter.