



# A.S. INTER COLLEGE, MAWANA

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## HOLIDAY HOMEWORK

### SESSION- (2026-27)

#### CLASS-XI

#### (ENGLISH MEDIUM)

#### General Instructions For Holiday Homework:-

- Use separate Notebook for homework.
- Writing should be neat & clean.
- Mention date & day on your holiday homework.
- Try to do your work by yourself.
- The H.W. must be submitted on the 1<sup>st</sup> day of reporting of the school.
- The H.W. is assigned as 10 marks in the Half Yearly Exams.
- Marks will be awarded to students based on creativity, originality, presentation and timely submission.

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### 1. HINDI

नोट - यह गृह कार्य सभी छात्र-छात्राओं को गद्य, काव्य व व्याकरण की पुस्तिका में पूर्ण करना है।

लेखन में सुंदरता का विशेष ध्यान रखें।

यह कार्य सभी के लिए अनिवार्य है।

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1. गर्मियों की छुट्टी पर 100 शब्दों में निबंध लिखिए।
2. इन सभी पर लगभग 120 शब्दों में रचनात्मक लेख लिखिए।
3. अनुशासन सफलता की कुंजी
4. पर्यावरण प्रदूषण की समस्या
5. आजादी का अमृत महोत्सव
6. लोकतंत्र में मीडिया की भूमिका
7. अपनी पुस्तक में से 100 बहुविकल्पीय प्रश्न उत्तर अपनी कॉपी में लिखिए।
8. अपनी पुस्तिका में से व्याकरण का कार्य कॉपी में लिखिए-  
20 मुहावरे लोकोक्तियां  
20 वाक्यांशों के लिए एक शब्द  
20 शब्द-युग्म
9. काव्य-सौंदर्य के तत्व
  1. रस- शृंगार रस, करुण रस, हास्य रस, वीर रस, शांत रस की परिभाषा उदाहरण सहित कॉपी में लिखिए एवं याद कीजिए।
  2. अलंकार- अलंकार और उसके भेद की परिभाषा उदाहरण सहित लिखिए।
  3. छंद – चौपाई, दोहा, सोरठा की परिभाषा उदाहरण सहित लिखिए एवं याद करिए।
10. स्टेशनरी की दुकान खोलने के लिए बैंक के शाखा-प्रबंधक को एक आवेदन पत्र लिखिए।
11. प्रतिदिन अखबार पढ़िए।

## 2. ENGLISH

1. Read an **English newspaper** daily, noting down headlines of (**National news, International news, Sports news & Educational news**) & find new words with their meanings. (100 words mandatory)

2. Article writing-

Write the articles in about 100-150 words on these topics-

1. Digital India
2. Women Empowerment

3. Environmental Pollution
4. Importance of games & sports

### 3. Unseen Passage Practice-

Solve daily one unseen passage from your grammar book.

### 4. Vocabulary Practice-

1. Write & learn antonyms and synonyms from 'A TO E' letter from your grammar book.
2. Write and learn starting 20 homophones from your grammar book.

### 5. Literature Work-

Prepare summary of Ch-1, 2 & 3 (PROSE & SUPPLEMENTARY BOTH)

## **3. MATHS**

CHAPTER 1: SETS

CHAPTER 2: RELATION AND FUNCTION

CHAPTER 3: TRIGNOMETRY FUNCTION

CHAPTER 4: COMPLEX NUMBER

PROJECT WORK:-

1. Prepare one-page short notes for each chapter.
2. Create a colourful chart sheet on Trigonometric Ratios.
3. Make a model\poster showing Sets & Venn Diagrams.

## 4. PCM\PCB

### 1. PHYSICS-

- Complete all NCERT solved examples & exercise questions from Ch-1.
- Write all important formulas, key points & definitions in your notebook.
- Prepare short summary of Ch-1 in your own words.

### 2. CHEMISTRY-

- Learn these name reactions given in pdf below and write their equation from the book. (Write three times after learning)
- Do all the work given below-

#### Part A: Write Short Notes on the Following

- Mole Concept
- Avogadro Number
- Atomic Mass and Molecular Mass
- Stoichiometry
- Limiting Reagent

#### Part B: Solve the Following Numericals

- Calculate the number of moles in 18 g of water (H<sub>2</sub>O).
- Find the number of molecules present in 44 g of carbon dioxide (CO<sub>2</sub>).
- Calculate the number of atoms present in 23 g of sodium (Na).
- Find the mass of 0.5 mole of oxygen gas (O<sub>2</sub>).
- Calculate the number of molecules in 11.2 L of ammonia (NH<sub>3</sub>) at STP.
- Calculate the mass of oxygen (O<sub>2</sub>) required to completely burn 12 g of carbon.
- How many moles of hydrogen gas (H<sub>2</sub>) are required to produce 36 g of water?
- Calculate the mass of sodium chloride (NaCl) produced from 23 g of sodium.
- Find the limiting reagent in:  $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$ , if 5 mol H<sub>2</sub> and 2 mol O<sub>2</sub> are taken.
- Calculate the volume of CO<sub>2</sub> produced from decomposition of 100 g CaCO<sub>3</sub>.

#### Part C: Answer the Following

- What is a mole?
- Define molar mass.
- Difference between atom and molecule.

- What is limiting reagent?
- State Avogadro's Law.

#### **Part D: Daily Use Chemicals**

- Baking Soda
- Vinegar
- Detergent
- Glucose
- Bleaching Powder
- Write the chemical formula, calculate molecular mass and percentage composition of each element.

#### **Part E: Project / Activity Work**

- Water Purification Model
- pH Scale Model
- Electrolysis of Water Model
- IUPAC Nomenclature Chart
- Carbon Compounds 3D Model
- States of Matter Model
- Greenhouse Effect Model
- Acid Rain Model
- Polymer Model
- You may select any other Chemistry-related topic with teacher approval.

### **3. BIOLOGY-**

a) D.N.A. Model on a chart paper.

1. Use coloured chart paper
2. Beads

b) Medicinal plant file-

Study 10 medicinal plants such as- (Tulsi, Neem, Aloe vera & Turmeric)  
Include medicinal uses and scientific names.

c) Human digestive system model, label all organs clearly and write functions on a chart paper.

## **5. HUMANITIES**

### **HISTORY-**

Project Work (Choose One) You are required to prepare a short project on one of the following options. Be sure to include relevant pictures, maps, or diagrams.

Option A: Life in Mesopotamia Focus on one of these sub-topics:

Cities: Life in major urban centers like Ur, Uruk, and Babylon.

Religion: The social role of temples and the influence of priests.

Social Hierarchy: Common occupations and the class structure of the civilization.

### **POLITICAL SCIENCE-**

Prepare a project file on these topics-

1. Importance of the Indian Constitution
2. Role of Democracy in India

### **GEOGRAPHY-**

Chapter 2 & 3: Interior of Earth + Rocks

Make a labeled diagram of the interior of the Earth showing SIAL, SIMA, NIFE.

Write short notes on: Igneous, Sedimentary, Metamorphic rocks with 2 examples each.

Chapter 4: Distribution of Oceans and Continents

Explain Wegener's Continental Drift Theory with evidence. Draw the positions of continents in Carboniferous, Jurassic, and Present times.

## **6. DRAWING**

1. Still Life (Object Study) Task: Draw 5 to 10 shaded drawings of everyday household items.

Objects: Group a bottle, a bowl, and a fruit (like an apple) together.

2. Technique: Use a single light source to create distinct highlights and deep shadows with graphite pencils (2B to 6B).

3. Nature Study Task: Draw 5 sketches focusing on natural elements.

Objects: A close-up of a flower with its stem, or a collection of textured leaves.

Technique: Focus on organic shapes and subtle textures using light pencil strokes.

4. Composition (Scenery / Life Scene) Task: Create 5 or 10 colourful scenes from daily life on A4 or A3 sheets.

Topics: A local Indian festival scene, a busy metro station, or a simple park landscape.

Medium: Use poster colours, watercolours, or oil pastels to make it vibrant.

4. Theory Summary Task: Make a project file History of Indian art.

## **7.COMMERCE**

### **ECONOMICS-**

1. Briefly explain the following-
  - PM KISAN
  - STAND UP INDIA

- SKILL INDIA MISSION
  - PRADHAN MANTRI SHRAM YOGI MAAN-DHAN
2. Create a project on Market research on digital payment system adoption.  
(Instruction- Students will design a questionnaire to investigate the adoption of digital payment system by consumers)

## **B. St.**

Create a mind map or flash cards outlining the different forms of business organizations-

- Sole Proprietorship
- Partnership
- Joint Stock Companies

## **ACCOUNTS**

1. Master the basics of the double entry system. Draft at least 20 source documents (receipts, bills, cash, memos etc.) to understand the accounting cycle.
2. Do Ex. Of Ch-1 & 2 in your account's notebook.

## **ACTIVITY**

1. Make a chart on Natural Disaster in India.
2. Make a project on Climate Change Impact  
(How rising temperature affects Indian monsoon and agriculture. Use newspaper articles + graphs.)