



# GEETA DEVI DAV PUBLIC SCHOOL

BHANDARKOLA, SATAR ROAD, DEOGHAR

## SUMMER VACATION HOLIDAY HOME WORK-(2025-26)

**Class: -VIII**

### ENGLISH

#### ASSIGNMENTS:-

1. Learn Q/ Ans of following chapters-

- The Three Questions
- Granny's Tree Climbing
- The Fun they had

2. Write and learn three forms of verb (atleast 50) in a separate thin copy.

#### PROJECT BASED:-

◆ A newspaper is a periodical publication containing written information about current events .

Let's enjoy our summer vacation by making a \***Colourful Newspaper** of our own\* .You can collect/ paste pictures and write information about :

◆ \***Tourist places**

◆ \***My Role Model**

◆ \***Moral value based stories**

◆ \***News**

## MATHS

.....

Solve these case based study

1).A shopping mall is designing a square-shaped parking lot that can hold 400 cars. They want equal number of cars in each row and column.

A). What is the number of rows and columns in the parking lot?

B). If each car needs  $4 \text{ m}^2$ , what is the total area needed for the parking lot?

2) For a school event, students are creating square-shaped tents. The area of the base of each tent is  $225 \text{ m}^2$ .

A). What is the length of each side of the tent's base?

B). If 3 such tents are made, what is the total base area?

C). If the fabric costs ₹120 per square meter, what is the cost for covering the base of one tent?

### Project work

3).Square and Cube Root Calculator (DIY)

Concept: Build a cardboard calculator wheel to estimate square/cube roots.

Mechanism: Use rotating disks with values and matching roots.

4).Perfect Square and Cube Cards

Concept: Design flashcards of perfect squares (1-20) and cubes (1-10).

Activity: Use them in games like "Memory Match" (match number with its square/cube).

**\* Prepare Mind -Map or Flow Chart Of The Following chapters (colour full )\***

1) Square and square root

2) Cube and cube root

\*\*\*\*\*'\*\*\*\*\*

## HINDI

परियोजना कार्य

निम्न बिंदुओं के आधार पर दोपहरी कविता का माइंड मैप बनावें।

- i- संक्षिप्त कवि परिचय
- ii- भीषण गर्मी का वातावरण पर प्रभाव।
- iii -कृषक की सुख-दुख की गठरी।
- iv -पशु -पक्षियों तथा वृक्षों पर ग्रीष्म का चित्र द्वारा प्रदर्शन।
- v - कविता का मूल भाव

दत्तक कार्य

2-(i)शिक्षा के महत्व पर 100 से 150 शब्दों में विचाराभिव्यक्ति करें।

(ii) ज्ञान सागर पाठ 1 , 2 , 3 प्रश्नोंतर याद करें।

## SANSKRIT

ग्रीष्मावकाशस्य गृह कार्य परियोजनाकार्यं च

“बालक- बालिका- नदी- फल - मुनि” शब्द रूपाणि उत्तर पुस्तिकायाम्लिखित्वास्मरत।

परियोजना कार्यम्- चित्र माध्यमेन उपसर्गान्प्रदर्शयतु।

## SCIENCE

### PHYSICS

Force & Pressure

Project---- write activity 8&9 with conclusion on chart paper

Assignment---- write exercise questions with answers in copy.

### CHEMISTRY

1 Match the following

- |                                     |                  |
|-------------------------------------|------------------|
| a) Mercury.                         | i) Bad conductor |
| b) Sulphur                          | ii) Hydrogen gas |
| c) Gas that burns with 'pop' sound. | iii) Blood       |
| d) Iron                             | iv) Thermometer  |

## 2 Fill in the blanks

- a) Acids turn \_\_\_\_\_ litmus to \_\_\_\_\_ litmus.
- b) Bases turn \_\_\_\_\_ litmus to \_\_\_\_\_ litmus.
- c) Metals form \_\_\_\_\_ oxides and non metals form \_\_\_\_\_ oxides.
- d) Copper does not react with \_\_\_\_\_ acid even on heating but it reacts with sulphuric acid.
- e) A material which conducts electricity is called \_\_\_\_\_.
- f) Reactions of non metals with bases are \_\_\_\_\_.

## 3 Tick the correct option

- a) A liquid metal \_\_\_\_\_
  - i) Sulphur.
  - ii) Gold.
  - iii) Mercury
- b) Metals, non metals and metalloids are \_\_\_\_\_
  - i) Compounds.
  - II) Elements
  - III) Matter
- c) Which is the best conductor of electricity.
  - i) Copper.
  - II) Silver.
  - III) Iron
- d) Elements which are ductile and malleable are \_\_\_\_\_
  - i) Non- metals.
  - II) Metals.
  - III) Metalloids

## 4 Give one word/one sentence answer

- a) Name a metal which can be cut with a knife.
- b) Name the metal used in thermometer.
- c) Give the reactivity series of Cu, Zn and Fe.
- d) Which gas is evolved when metals react with sodium hydroxide and water.
- e) What is the colour of  $\text{CuSO}_4$  and  $\text{ZnSO}_4$  ?
- f) Non-metals react with water or not.
- g) Name the acid formed when sulphur dioxide is dissolved in water.

## 5 Write true or false

- a) Generally non -metals do not react with water and acids.
- b) Metals do not react with bases.
- c) Silicon is an example of metalloid.
- d) Element does not contain one kind of atom.

## 6 Give reasons

- a) Phosphorus is stored under water.
- b) Handle of screw driver is not made up of metal.
- c) Metallic pan has wooden handle.
- d) Bells are made up of metals and of wood.
- e) Metals are drawn into wires and beaten into sheets.

- 7 a) Give differences between Metals and Non metals on the basis of their physical properties and chemical properties.
- b) Draw a diagram of 'Electrical Tester'.

8 Answer the following questions

- Give 3 examples of each i) Metals II) Non metals.
- Why does a copper vessel acquire green coating if it is exposed to moisture for a long time. Write the reaction also.
- What is rusting of iron? Write the reaction also.
- Write 5 uses of metals.
- Write 5 uses of non metals.
- Write the reaction for displacement reaction and explain it.

9 Complete the reactions and write in words

- $2\text{Mg} + \text{O}_2 \rightarrow$
- $\text{SO}_2 + \text{H}_2\text{O} \rightarrow$
- $\text{CuSO}_4 + \text{Zn} \rightarrow$
- $\text{Fe} + \text{O}_2 + \text{H}_2\text{O} \rightarrow$
- $2\text{Cu} + \text{H}_2\text{O} + \text{CO}_2 + \text{O}_2 \rightarrow$
- $\text{FeSO}_4 + \text{Cu} \rightarrow$
- $\text{CuSO}_4 + \text{Fe} \rightarrow$
- $\text{ZnSO}_4 + \text{Fe} \rightarrow$

## BIOLOGY

### Assignment -:

1) state one main function of the following organelles

- Endoplasmic Reticulum
- Golgi complex
- Cell wall
- Ribosomes

2) Give reasons

- plant cell have fixed shape
- Rose plants have red colour flower
- The mitochondria is present in large numbers in cell engaged in different physiological

### Activities.

Project -:

- Draw a labelled diagram of cross section of a hen's egg on chart paper.

## SOCIAL SCIENCE HISTORY / CIVICS

- Write 25 new words from chape-1, chapter- 08& chapter-15 and remember
- Chapter - 08 - Learn questions answer and write down long question ans in summer vacation copy.
- Chapter 15- Learn questions answer and write down long question ans in summer vacation copy

### Assignment

( History) - write down biography of mahatma gandhi, subhas chandra bose, bhagat singh sardar Vallabhbai Patel (choose any one ) on chartpaper

## **Project**

Civics - write down the preamble of India on chartpaper and decorat it well.

## **GEOGRAPHY**

### **Part A: Theory Work (To be done in Geography Notebook)**

1. Define the following terms:

Resource

Sustainable Development

Renewable Resources

Non-Renewable Resources

Conservation

2. Answer the following questions (80-100 words each):

a) Explain the classification of resources.

b) Why is it important to conserve resources?

c) What role do humans play in resource development?

3. Make a table to classify 10 resources around you as:

Renewable / Non-renewable

Biotic / Abiotic

Natural / Human-made

### **Part B: Creative Work (To be done on A4 sheets)**

1. Poster Making:

Create a colorful poster on "Save Natural Resources" or "Ways to Conserve Energy". Use catchy slogans and drawings.

**Note: Best entries will be displayed on the class board.**

## **ICT**

### **A) Answer the following questions;-**

- 1) What is a computer network?
- 2) Differentiate between LAN & WAN.
- 3) What is the role of transmission medium in a computer network?
- 4) Differentiate between Coaxial cable & Fiber optics Cable.
- 5) Differentiate between Wired and Wireless cable.

### **B)Write short notes on each of the following:**

- i. Wi-Fi
- ii. Modem
- iii. ISP

## **Project Work( In Chart Paper)**

- 1) Name & Draw the different types of web browsers
- 2) Draw the different types of cables and write its advantages.

## **DRAWING**

Craft- Make A Creative Decorative Items Using Waste Materials.

Painting- 1) Yoga- The Science And Art Of Living

2) Sohrai Art (Folk Art Of Jharkhand)