



# SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

## SUMMER VACATION HOME-WORK & PROJECT WORK-(2022-23)

### CLASS-IX

#### SUBJECT- ENGLISH

##### A.English Literature :

- 1) Do you agree that schools today are better than the schools in the chapter "**The Fun They Had**".Give proper reason in favour of your answer.
- 2) Describe the symbolic interpretation of the poem "The Road Not Taken".
- 3) Draw the character sketch of
  - i . Evelyn Glennie
  - ii. Ron Forbes

##### B.Grammar :

#### 4) Give the V2 and V3 form of the following

- i. Bear -
- ii. Bid -
- iii. Burst -
- iv. Lie -
- v. Forbid-
- vi. Tread-

#### 5) Fill in the blanks with suitable verb form

- i. It is time he \_\_\_\_\_(go) there .
- ii. We \_\_\_\_\_(study) English for six years.
- iii. I \_\_\_\_\_(not seen) you for a long time.
- iv. We \_\_\_\_\_(see) with our eyes,\_\_\_\_\_ (hear) with our ears
- v. The first world war \_\_\_\_\_(begin) in 1914.

#### SUBJECT- HINDI

##### ग्रीष्मावकाश गृहकार्य

1. कबीर के धार्मिक और सांप्रदायिक सद्भाव संबंधी विचारों पर प्रकाश डालिए ।
2. अपने मन से गाँव और शहर के बीच की स्थिति को संवाद के रूप में लिखें ।
3. परियोजना कार्य - विभिन्न पशु- पक्षियों के चित्र ढूँढ कर कॉपी में लगाइए तथा उनके विषय में लिखिए ।
4. 'अनुशासित जीवन: श्रेष्ठ जीवन' पर एक अनुच्छेद लिखें।
5. कक्षा में जागरूक रहकर पढाई करने का सुझाव देते हुए अपने भाई/बहन को एक पत्र लिखें।

## **SUBJECT- SANSKRIT**

- 1.शेमुषी----- प्रथमः पाठः "भारती वसन्तगीतिः " द्वितीयः पाठः "स्वर्णकाकः " दोनों पाठ के सभी प्रश्नोत्तर व्याकरण सहित याद करें।
- 2.व्याकरण-----दीर्घ,गुण एवम् वृद्धिसंधि के आधार पर दोनों पाठ का संधि तथा संधिविच्छेद के उदाहरण लिखें।
- 3.शब्दरूप लिखें तथा याद करें।  
अकारान्त पुल्लिंग----देव,एवम् वृक्ष  
उकारान्त पुल्लिङ्ग----शिशु एवम् तरु
- 4.कारक तथा कारक के चिह्न लिखें तथा याद करें।
- 5.पाँच वाक्य लिखकर संस्कृत में अनुवाद करें।
- 6.अनुवाद के नियम तथा अनुवाद का अभ्यास करें।

## **SUBJECT-MATHEMATICS**

### **Chapter -1. Number System**

- 1.Find 3 rational number lying between  $1/5$  and  $1/4$
2. Express  $3\frac{1}{8}$  in the decimal form.
- 3.Express  $0.333\dots$  as a fraction in the simplest form.
- 4.Simplify  $(3\sqrt{2}+7\sqrt{3})+(\sqrt{2}-5\sqrt{3})$
- 5.If  $\sqrt{2} = 1.41$  then find  $1/\sqrt{2}$
- 6.Represent  $\sqrt{2}$  on the number line.
- 7.Find six rational number between 3 and 4
- 8.Express  $0.1636363\dots$  as a fraction in simplest form
- 9.Rationalize the denominator of  $2/(\sqrt{3}-\sqrt{5})$ .
- 10.If  $X = 2+\sqrt{3}$  then find  $x^2+1/x^2$

### **Chapter -2 .Polynomials**

1. Is  $X + 1$  a factor of the polynomial  $x^3 - 2x^2 + X - 2$
2. Find the remainder when  $x^3-6x^2+13x + 60$  is divided by  $X + 2$
- 3.Factorise  $x^2+y-xy-x$
- 4.Evaluate using suitable identity  $97^2$
- 5.Factorise  $x^2+5x-6$
- 6 .Factorise  $x^3+13x^2+32x+20$  using factor theorem

7. Using suitable identity evaluate the following

i)  $103 \times 107$

ii)  $104 \times 94$

8. Verify  $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x+y+z)\{(x-y)^2 + (y-z)^2 + (z-x)^2\}$

9. If  $x+y+z = 0$  then show that  $x^3 + y^3 + z^3 = 3xyz$

10. Without actually calculating the cubes find the value of the following

i)  $(-12)^3 + 7^3 + 5^3$  ii)  $(p-q)^3 + (q-r)^3 + (r-q)^3$

**Activity :- To make a square root spiral by paper folding**

## SCIENCE

### SUBJECT- PHYSICS

**Define the following terms.**

1. When do the distance and displacement of a moving object have the same magnitude?
2. When is the acceleration taken as negative?
3. A particle is moving in a circular path of radius  $r$ . What would be the displacement after half a circle?
4. Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.
5. How will you show that the slope of displacement-time graph gives velocity of the body?

### SUBJECT-: CHEMISTRY

**1. Define the following terms.**

- a) Melting. b). Boiling. c). Condensation d) Freezing

**2. Give reason.**

- a) Why does our palm feel cold when we put some acetone on it ?
  - b) Naphthalene balls kept in stored clothes in our homes disappear over a period of time.
3. Explain briefly, how gases can be liquefied.
  4. How will you demonstrate that water vapour is present in air ?

## **SUBJECT- BIOLOGY**

### **Writing : -**

- 1) What types of enzymes are present in the lysosomes? What is their function? Which cell organelle manufactures these enzymes.
- 2) Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis?
- 3) Describe the structural features of cell membrane and cell wall. Why is cell membrane called selectively permeable membrane?
- 4) Describe an activity to demonstrate endosmosis and exosmosis. Draw a diagram also.

## **SOCIAL SCIENCE (S.ST.)**

### **SUBJECT - GEOGRAPHY**

- 1) Write all questions and answers of Chapter-2.**
- 2) Complete map skill.**

### **SUBJECT:-HISTORY**

#### **Short Answer Type Questions**

1. Write a short note on Estate General. [HOTS]
2. Who were known as sans-culottes?
3. Write the Chronology of abolition and re-introduction of slavery in France.
4. Explain any three features of the constitution of France drafted in 1791.

#### **Short Answer Type Questions**

1. What did the fall of Bastille signify?
2. Why was the treasury empty when Louis XVI ascended the throne?
3. In how many estate, French societies were divided Long An in the Eighteenth century?
4. Define subsistence crisis.
5. Which groups of third estate were allowed entry in the Estate General and which group denied entry?
6. What is a manor?
7. Who were the electors?
8. Mention the dressing style of Jacobin members.
9. How was Robespierre executed?
10. Why were the women disappointed by the constitution of 1791?
11. What was the benefit of freedom of press?

12. How were Napoleon image taken up by the people? What image came later?

### **SUBJECT:- CIVICS**

**Learn chapter--1,2**

#### **Written Work—**

- 1) Write short notes on
  - a) Constitution
  - b) Preamble
  - c) Constituent Assembly
  - d) Constitutional Amendment
  - e) Apartheid
- 2) Write any five arguments in favour of democracy.
- 3) Write any five arguments against the democracy.
- 4) Write any five features of democracy.
- 5) Why do we need constitution?

### **SUBJECT:-ECONOMICS**

- **Learn and revise " The story of village Palampur"**

**Answer the following questions in class work copy**

1. Modern farming methods require more inputs which are manufactured in industry. Do you agree?
2. Highlight the basic constraints in raising production from a farm.
3. Give three reasons why small farmers have to arrange capital by borrowing.
4. State the importance of growing more than one crop on a piece of land.
5. What is the aim of production? State any four requirements for production.
6. What can be done to increase the non -farm activities in the Indian villages.
7. Land being a natural resource is necessary to be carefully used. Why?

### **SUB-(I.T.)COMPUTER**

Q1) What do you mean by Word Processor? Name the example of Word Processors.

Q2) Write the various components/parts of 'Writer' Window. Explain them.

Q3) Difference between 'LibreOpenOffice.org Writer' and 'Microsoft Office Word'.

**Q4)To prepare a project** in channel file related to Different types of Communication and 7Cs of Communication

### **SUBJECT- DRAWING**

Any landscape, any composition with contemporary topic (save earth, avoid plastic, plant trees, save animals etc.)

**Where to do /Size :- A3 size paper**