

# DAV PUBLIC SCHOOL SASARAM

HA & PW FOR SUMMER VACATION-2023-24

## CLASS - IX

### SUB- ENGLISH

1. Write a short note on life and work of the poet, Robert Frost.
2. 'If you work hard and know where you are going, you will get there,' says Evelyn Glennie. How far is this statement true in the case of both the musicians -Evelyn Glennie and Ustad Bismillah Khan.
3. Write the structure of tense with at least one example.

### हिंदी

- १ प्रेमचंद के व्यक्तित्व एवं कृतित्व पर 100 से 125 शब्दों में अनुच्छेद लिखें।
- २ दो बैलों की कथा पाठ के आधार पर नीति विषयक तत्व पर प्रकाश डालें।
- ३ संत शिरोमणि कबीर दास एक समाज सुधारक थे कैसे स्पष्ट करें।

### SANSKRIT

1. पाठ--3 पाठ्यम् के श्लोकों को लिखकर उसका सरलार्थ लिखें।
2. पाठ - 3 के प्रश्न 1, 3, 6, 8, 9 को लिखें।
3. शब्द रूप-एक, द्वि, त्रि, किम् (पु०, स्त्री ०), तत् (पु०), राजन्, भवत्, कवि लिखें।
4. निम्न धातु रूपों को पांच लकारों में लिखें -- लभ्, अस् और कृ । (P W)

### (SCIENCE)

#### PHYSICS

- 1 Define acceleration. Find its expression and write its SI unit. Is it vector or scalar?
- 2 PW: Plot Velocity-Time graph on A4 size paper.
  1. When object is in uniform motion
  2. When object is moving with uniform acceleration taking data by yourself.

#### CHEMISTRY

Complete the following observation table:

Sl No.	Material in the cylinder of syringe	Initial position of the piston	Final position of the piston
1	Air		
2	Water		
3	Oil		
4	Sand		

Answer the following questions on the basis of activity performed:

1. Was the syringe empty in first step?
2. What do you conclude about inter-particle space in case of liquids and gases?
3. How would your observation differ if we had filled the cylinder of syringe with
  - (a) Cotton wool
  - (b) A cylindrical wooden piece cut to size of inner diameter of syringe?
4. Is there anything between the particles of air, water and wood?

#### BIOLOGY

1. Explain the difference between plant and animal cell with the help of labelled diagram.
2. What happens to a cell when it is placed in hypertonic and hypotonic solution?

## MATHEMATICS

1 find x if  $2^{x-7} \times 5^{x-4} = 1250$ .

2. if  $\frac{2\sqrt{5}+\sqrt{3}}{2\sqrt{5}-\sqrt{3}} + \frac{2\sqrt{5}-\sqrt{3}}{2\sqrt{5}+\sqrt{3}} = a + b\sqrt{15}$  find a and b

3. Give spiral representation for  $\sqrt{12}$

## SST

### (History)

P.w.:- write and draw the images and symbols used by the French revolutionaries.

H.A.:- write a short biography of Napoleon Bonaparte.

### Pol. Sc.

'The most common form of democracy is that of representative democracy'. Explain this statement.

### (Geography)

1-Name the Capitals of the states and Union territories of India.

2-Show the following on political map of India

a)-IST

b)-Two island groups of India

c)-A Place situated on three seas

d)-Tropic of cancer

### Economics

1. What are the Non-farm production activities taking place in your region? Make a short list.

## IT

1. Describe any 7CS of effective communication.

2. List the things you will do for personal grooming.

3. Make a poster for different types of communication (verbal, nonverbal, visual).