

# DAV PUBLIC SCHOOL SASARAM

HA & PW FOR SUMMER VACATION-2023-24

## CLASS - X

### SUB- ENGLISH

Q.1 Write different structures of conditional sentences with at two examples. (P.W)

Q.2 With a satisfied expression he regarded the field of ripe corn with its flowers, draped in a curtain of rain. But suddenly a strong wind began to blow and along with the rain very large hailstones began to fall. These truly did resemble new silver coins. The boys, exposing themselves to the rain, ran out to collect the frozen pearls.

- What happened to the rain suddenly?
- 'The frozen pearls' refers to which thing in the paragraph.
- Find the similar meaning-of 'contented' in the paragraph.
- Find from the passage a word which means 'to take after'.

Q.3 What did being free mean to Mandela as a boy, and as a student? How does he contrast these "transitory freedoms" with "the basic and honorable freedoms"?

### हिंदी

- गोस्वामी तुलसीदास के व्यक्तित्व एवं उनके कृतित्व का वर्णन करें।
- नेताजी का चश्मा पाठ के आधार पर पानवाले का चरित्र-- चित्रण करें।
- किसी एक विषय पर 80 -100 शब्दों का अनुच्छेद लिखें --

क कंप्यूटर एक जादुई पिटारा

ख अभ्यास का महत्व

### SANSKRIT

- पाठ-3 " व्यायामः सर्वदा पथः " के प्रश्न एक से पांच तक लिखें।
- निम्न शब्द रूप लिखें--एक, द्वि, त्रि, ,किम्, इदम्, तत् और किम् ।
- धातु रूप पांच लकारों में लिखें--गम्, सेव्, अस, रुच् ।

### SCIENCE

#### **PHYSICS:**

HA- 1. Explain the rules for image formation by a spherical mirror with diagram.

2. Do at least 3 numerical based on mirror.

PW: On a chart paper draw the ray diagrams for image formation by a

- concave mirror
- Convex mirror

When object is placed at different position.

#### **CHEMISTRY:**

1. We all know that redox reaction plays very important role in our life. Corrosion of metals also belongs to category of redox reaction. Now answer the following questions.

- Define Corrosion.
- Write the chemical equations for corrosion in iron, copper and silver.
- How corrosion of iron is different from corrosion of other metals?
- Give any one example where corrosion is considered useful process.
- Suggest at least 3 ways to prevent rusting of iron.

## BIOLOGY:

Q.1 John is 50 year old man. He was complaining of pain in the abdominal area for last few days. He went to hospital where doctors performed an ultrasound scan on him. The ultrasound scan showed the presence of tiny stones in sac-shaped organ on the underside of liver. The doctor performed the keyhole surgery on Jhon and removed the sac-shaped organ from his body along with tiny stones. Jhon got immediate relief from pain.

- A. What is the sac-shaped organ beneath the liver known as?
- B. What liquid does the sac-shaped organ contain?
- C. What are the functions of liquid contained in sac-shaped organ?
- D. Why do you think it is possible to remove sac-shaped organ containing stones but the kidneys having stones cannot be removed?
- E. What advice would you give to Jhon regarding his diet?

## Maths

1. Draw the Graph for  $x = y$  and  $x + y = 4$  and write its vertices and also find its area.
2. find all zeros of polynomial  $8x^4 + 8x^3 - 18x^2 - 20x - 5$  if it is given that two of its zeros are  $\sqrt{\frac{5}{2}}$  and  $-\sqrt{\frac{5}{2}}$
3. if  $\alpha$  and  $\beta$  are zeros of  $x^2 - 3x + 4$ , then find the value of (i)  $\frac{1}{\alpha} + \frac{1}{\beta}$   
(ii)  $\sqrt{\frac{\alpha}{\beta}} + \sqrt{\frac{\beta}{\alpha}}$ .

## SST

### Geography

- 1-Explain different soil conservation methods in mountain region, plain region and desert
- 2-Show different soil types on physical map of India.

### Pol. Sc.

Why do we need power sharing?

OR

Explain different forms of power sharing arrangement in modern democracy.

### History

PW :- write a short biography of Duke Metternich (Chancellor of Austria)

### Economics

1. List a few examples of environmental degradation that you may have observed around you..
2. Find out the present sources of energy that are used by the people in India. What could be the other possibilities fifty years from now?

## IT

1. Make a list of your weaknesses and strengths. Write benefits by knowing your strengths and weaknesses.
2. Goal setting is a very essential factor in your personal life. List all the smart methods to set the goals.
3. Make a picture dictionary of ICT tools (hardware and software).