

SHORT QUESTIONS

- (1) What is called the rate of flow of charge?  
Is it scalar or vector?
- (2) Define 1 volt of electric potential.
- (3) Define the term reproduction. Why it is important for living organisms?
- (4) Differentiate between hybrid and clone.
- (5) What are amphoteric oxides? Give two examples of amphoteric oxides. Explain with the help of chemical reaction.
- (6) Define rusting. Write the conditions for rusting of Iron.  
Write 3 ways to prevent the rusting of iron.

LONG QUESTIONS

- (1) State Ohm's law. Obtain its mathematical form. What do you mean by resistance?
- (2) What is quantization of charge? Calculate

total number of electron in 1 Coulomb of charge. If one ampere of electric current flows through a conductor for 2 seconds then calculate the total number of electrons flow within this time.

- (3) Differentiate between the following -
- Asexual and sexual reproduction.
  - Binary fission and multiple fission.

- (4) Draw the well labeled diagram of
- Male reproductive part (stamen)
  - female reproductive part (pistil)
- of a flower.

- (5) Draw electron dot structure of formation of following ionic compounds :-

- Sodium chloride
- Magnesium oxide
- Calcium chloride.

- (6) (a) Draw flow chart of extraction of metal from its common ore.
- (b) Differentiate between Roasting and ~~Calcination~~ Calcination.
- (c) Make three differences between Ionic and Covalent compounds.

## Holiday Homework

class - X

Sub - SST

### Short type Question Answer (

- Q1) How do minerals occur in Igneous and sedimentary rocks?
- Q2) Distinguish between ferrous and Non-ferrous minerals.
- Q3) What was the impact of germs on the America's original inhabitants?
- Q4) How were the indentured workers exploited by the recruiting agents.
- Q5) What is multi-party system?
- Q6) What are Multi-National Corporations (MNCs)?

### Long type Question Answer (

- Q7) What is a trade barrier? Why did the Indian Government put up trade barriers after Independence? Explain

OR

What were the objects that were used before the use of currency?

- Q8) Mention any four major Iron-ore belts of India. Write any three features of southern most Iron-ore belt.
- Q9) What is the necessity of Political parties in democratic politics?
- Q10) The example of indentured labour migration from India and other parts of the world illustrates the two-sided nature of 19th century world. Explain by giving examples.

# HOLIDAY HOMEWORK

SUB - MATHEMATICS

CLASS - X

## SHORT ANSWER TYPE QUESTIONS

Q1. For what value of  $k$ , the pair of linear equations  $kx + 3y = k - 3$ ,  $12x + ky = k$  has no solution?

Q2. Solve for  $x$ :

$$\frac{4}{x} - 3 = \frac{5}{2x+3}, \quad x \neq 0, -\frac{3}{2}$$

Q3. If  $-4$  is a root of the equation  $x^2 + px - 4 = 0$  and the equation  $x^2 + px + q = 0$  has equal roots, find the value of  $q$ .

Q4. A motor boat whose speed in still water is  $18 \text{ km/hr}$ , takes  $1$  hour more to go  $24 \text{ km}$  upstream than to return downstream to the same spot. Find the speed of the stream.

Q5. Solve the quadratic equation for  $x$ :

$$x^2 - 2ax - (4b^2 - a^2) = 0$$

Q6. The sum of four consecutive numbers in an A.P. is  $32$  and the ratio of the product of the first and the last terms to the product of the two middle terms is  $7:15$ . Find the numbers.

### LONG ANSWER TYPE QUESTIONS

Q7. If the point  $P(x, y)$  is equidistant from the points  $A(5, 1)$  and  $B(-1, 5)$ , prove that  $3x = 2y$ .

(i) Q8. Find the coordinates of the point which divides the join of  $(-1, 7)$  and  $(4, -3)$  in the ratio  $2:3$ .

(ii) In what ratio is the line segment joining the points  $P(3, -6)$  and  $Q(5, 3)$  divided by  $x$ -axis.

Q9. As observed from the top of a  $100\text{m}$  high lighthouse from the sea-level, the angles of depression of two ships are  $30^\circ$  and  $45^\circ$ . If one ship is exactly behind the other on the same side of the lighthouse, find the distance between the two ships. (Use  $\sqrt{3} = 1.732$ )

Q10. The angle of elevation of a cloud from a point  $60\text{m}$  above a lake is  $30^\circ$  and the angle of depression of the reflection of the cloud in the lake is  $60^\circ$ . Find the height of the cloud.

## Vacation Homework for class 8

प्र० १. सूक्तपद्येन लिखत -

- (क) वनराजः कैः दुरवस्थां प्राप्तः ?  
(ख) कः वातावरणं कर्कशध्वनिना आकुलीकरोति ?  
(ग) काकचेष्टः विद्यार्थी कीदृशः छात्रः मन्यते ?  
(घ) कः आत्मानं बलशाली, विशालकायः, पराक्रमी च कथयति ।  
(ङ) बकः कीदृशान् मीनान् क्रूरतया भक्षयति ?  
(च) मयूरः कथं नृत्यमुद्रायां स्थितः भवति ?

प्र० २ पूर्णवाक्येन लिखत -

- (क) निःसंशयं कः कृतान्तः मन्यते ?  
(ख) बकः वन्यजन्तूनां श्लोपायान् कथं चिन्तयितुं कथयति ?  
(ग) अन्ते प्रकृतिसाता प्रविश्य सर्वप्रथमं किं वयति ?  
(घ) यदि राजा सम्यक् न भवति तथा प्रजा कथं विप्लवेत् ?

## कक्षा - दशम (१) हिंदी

### दीर्घ उत्तरीय प्रश्न

- के आधार
1. 'कोरोना ; वायरस' पर दिए गए संकेत-चिह्नों पर अनुच्छेद लेखन कीजिए -  
\* कोरोना का संक्रमण, \* बचाव के उपाय, \* लॉकडाउन के सकारात्मक प्रभाव ।
  2. 'सामाजिक सेवा कार्यक्रम' के अन्तर्गत किसी ग्राम में सफाई अभियान के अनुभवों का उल्लेख करते हुए अपने मित्र को पत्र लिखिए ।
  3. अपने बड़े भाई के विवाह में सम्मिलित होने के लिए चार दिनों के अवकाश के हेतु ई-मेल लिखिए ।
  4. 'गंगोत्री' बोलचाल-बंद पानी का विज्ञापन तैयार कीजिए ।

### लघु उत्तरीय प्रश्न

1. 'काशी में बाबा विश्वनाथ और विस्मिलला खों एक-दूसरे के पूरक हैं' - इस कथन का क्या आशय है ?
2. विस्मिलला खों की तुलना कस्तूरी मृग से क्यों की गई है ?
3. 'संगतकार' शब्द का अर्थ स्पष्ट करते हुए उसकी स्थिति और भूमिका पर प्रकाश डालिए ।
4. बच्चे की मुस्कान और बड़े की मुस्कान में क्या अंतर है ?
5. 'फसल' कविता में कवि ने क्या संदेश दिया है ?
6. पिता द्वारा मोलानाथ को खाना खिलाने के बाद भी उसकी माँ उसे खाना खिलाती थी, क्यों ? 'माता का अंचल' पाठ के आधार पर लिखिए ।

Ringsly

R. P. SINGH

English

Holiday Homework

Class : X

### Short Answer Questions:

1. What was the Indian legend about the discovery of tea?
2. Why was Anne punished by the Math teacher?
3. What made the young Seagull finally fly?
4. Explain the line: "And no one leys a ball back. Money is external."
5. What discovery did Griffin make?
6. Why is Horace Danby described as good and respectable but not completely honest?

### Long Answer Questions:

1. The washing machine you bought has started giving trouble and is making a loud noise. Write a letter to the washing machine dealer about the same and request him to replace the washing machine at the earliest. Invent details on your own. You are Amit / Amita.
2. Emotionally as well as intellectually, a woman is as good as man if not better. Yet we do not allow her the same status as a man enjoys in society. Write an article, in 120-150 words, on 'Status of woman in society'. You are Navtej / Navita.

3. Presence of mind and intelligence are more powerful than a gun. How far is it true in the case of Ausable, the secret agent?

4. Why did Cruffin enter the big London store? How was he finally obliged to leave it?

## Holiday Home work

Class - 8

Sub: Infor. Tech.

1. Short answer type questions:

- (i) How entrepreneurship plays an important role in life cycle of society?
- (ii) Write the myth about Entrepreneurship.
- (iii) Differentiate between CUI and GUI.
- (iv) Write the ways to prevent virus infection in a computer.
- (v) What is the difference between Natural and Artificial Environment?
- (vi) Write the importance of Sustainable Development.

2. Long answer type questions:

- (i) Write short notes on -
  - (a) Ecosystem
  - (b) Sustainable Development.
  - (c) Crop Rotation.
- (ii) List the problems that can be occurred due to stress.

(iii) what is a file system? List different categories of file system.

(iv) Write the steps to perform the following:

(a) to insert graphics from gallery with drag and drop.

(b) to insert Calc Chart into a text document.

(c) to create a table of content.