

**English Assignment -1**  
**Class X**  
**Ch 1: A Letter to God [First Flight]**

Short Questions (2 marks)

- 1 Why was Lencho angry when he received the letter?
- 2 What did the postman do to keep the faith of Lencho?
- 3 Where was Lencho's house situated? Why did he sit seeing the sky?
- 4 What were Lencho's feelings when he found the letter with money in it?
- 5 How did Lencho's hope change to despair?
- 6 What were Lencho's feelings when he found the letter with money in it?
- 7 Why did Lencho become angry when he counted the money?
- 8 Why did he call the post office employees as "a bunch of crook"?

Long Ans Questions (6 marks each)

- 9 Lencho seemed to an impulsive man who felt suddenly elated at the rainfall and later became sad to see the destruction which rain had caused. Did he lack tolerance? Did he not have the courage to face the challenges of life? Elucidate. (Ans in about 100-120 words)
- 10 Write a letter a Lencho to your friend and tell him about the destruction of your crops, the letter you wrote to God and the reply with money you received. Express your feelings about the post office employees also. (100 -120 words).

English Assignment -2  
Class X  
Lesson: 2 (Long walk to Freedom)

Short Questions (2 marks)

1. For what Mandela thank the international leaders?
2. Where the ceremonies took place?
3. What ideals were set by Nelson Mandela for the future of South Africa?
4. Why such a large number of international leaders attended the inauguration?
5. Explain in what way Mandela's 'Hunger for Freedom' changed his life?
6. Nelson Mandela mentions 'Twin Obligations'. Explain
7. At the beginning of his speech, Mandela states "an extraordinary human disaster". What did he mean by this? What is the "glorious ... human achievement" he mentions at the end?
8. What do you understand by Apartheid'?

Long Questions (6 marks each)

- 1 Describe the value of freedom for the human beings and how it is important for the growth of civilization and humanism as described in the lesson 'Nelson Mandela: Long Walk to Freedom'.
- 2 Describe the views of Mandela for the black people who fought and sacrificed their likes for the country's political independence?

HINDI ASSIGNMENT -1  
CLASS X  
पाठ 1 - बड़े भाई साहब

(क) प्रश्न 1 से 7 तक (2 अंक)

(ख) प्रश्न 8 से 10 तक (5 अंक)

- 1 बड़े भाई साहब ने किस विषय पर लिखे जाने वाले निबंध का जिक्र किया है और संक्षेप में कितने पन्नों में लिखने को कहा गया है?
- 2 लेखक का पढ़ाई में क्या हाल था और वह सारा दिन क्या करता था?
- 3 बड़े भाई साहब कब और क्यों नरम पड़ गए थे?
- 4 लेखक ने कौन से विचार को दिल से बलपूर्वक निकाल डाला और क्यों?
- 5 परीक्षा फल आने के पश्चात लेखक पर बड़े भाई साहब का आतंक क्यों नहीं रह गया था?
- 6 लेखक का दिल किस चीज़ में अधिक लगता था?
- 7 एक दिन बड़े भाई साहब ने तलवार क्यों खींच ली?
- 8 बड़े भाई साहब कहानी से आपको क्या शिक्षा मिलती है? स्पष्ट कीजिए।
- 9 कहानी के अंत में बड़े भाई साहब उचककर पतंग पकड़ते हैं उनका ऐसा कहना क्या प्रदर्शित करता है?
- 10 कहानी के आधार पर लेखक का चरित्र-चित्रण कीजिए।

HINDI ASSIGNMENT -2

CLASS X

पाठ 2 - डायरी का पन्ना

(क) प्रश्न 1 से 7 तक (2 अंक)

(ख) प्रश्न 8 से 10 तक (5 अंक)

- 1 वृजलाल गोयनका झंडा ले जाते हुए क्यों गिर पड़े?
- 2 आजादी से पहले आजादी के दीवाने स्वतंत्रता दिवस कब मनाते थे?
- 3 श्रद्धानंद पार्क तथा तारासुंदरी पार्क में क्या हुआ?
- 4 कौंसिल किसे कहा गया है?
- 5 स्वतंत्रता आंदोलन से पुलिस की क्या भूमिका थी?
- 6 गत वर्ष और इस वर्ष में क्या अंतर था?
- 7 आप कैसे कह सकते हैं कि यह आंदोलन पूरी तरह जन आंदोलन था?
- 8 जुलूस और प्रदर्शन को रोकने के लिए पुलिस का क्या प्रबंध था?
- 9 डायरी का एक पन्ना पाठ में क्या महत्वपूर्ण संदेश दिया गया है?
- 10 कलकत्तावासियों के माथे पर क्या कलंक था और उन्होंने उसे किस प्रकार मिटाया?

Maths Assignment 1  
Class: X  
Ch 1: Real Numbers

**Very Short answer questions (2 marks)**

- 1 Find after how many places of decimal the decimal form of the number  $27/2^3 \cdot 5^4 \cdot 3^2$  will terminate.
- 2 Write the HCF of the smallest composite number and smallest prime number.

**Short answers questions(3marks each)**

- 3 If HCF of 65 and 117 is expressible in the form  $65n - 117$ , then find the value of  $n$ .
- 4 Using Euclid's division algorithm, find HCF of 15 and 575.
- 5 Show that  $9^n$  cannot end with digit 0 for any natural number 'n'.
- 6 Given that  $\sqrt{2}$  is irrational, prove that  $5 + 3\sqrt{2}$  is irrational number.

**Long answer questions (4 marks each)**

- 7 Show that any positive odd integer is of the form  $6q + 1$  or  $6q + 3$  or  $6q + 5$  where  $q$  is some integer.
- 8 Use Euclid's Division Lemma to show that square of any positive integer is either of the form  $3n$  or  $3n + 1$  for some integer 'n'.
- 9 LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one is 280, then find the other number.
- 10 Find the largest number which divides 70 and 125 leaving remainders 5 & 8 respectively.

**Maths Assignment 1**  
**Class: X**  
**Ch 1: Real Numbers**

**Very Short answer questions (2 marks)**

1. Find a quadratic polynomial whose zeros are  $2 + \sqrt{3}$  and  $2 - \sqrt{3}$
2. If  $\alpha$  and  $1/\alpha$  are zeros of polynomial  $4x^2 - 2x + (k - 4)$ , find the value of R.

**Short answer questions (3 marks each)**

3. Find zeros of following quadratic polynomials and verify the relationship between the zeroes and coefficients
  - (i)  $2x^2 - 9 - 3x$
  - (ii)  $4x^2 + 4\sqrt{3}x + 3 = 0$
4. If  $x + a$  is a zero of polynomial  $2x^2 + 3ax + 1$ , find the value of  $a$ .
5. What should be added in the polynomial  $x^3 + 2x^2 - 9x + 1$ . So that it is completely divisible by  $x + 4$ .
6. Find all the zeroes of the polynomial  $f(x) = x^3 + 13x^2 + 32x + 20$  if one of its zeroes is  $-2$ .

**Long answer question (4 marks each)**

7. If  $\alpha, \beta$  are two zeros of polynomial  $25p^2 - 15p + 2$ , find a quadratic polynomial whose zeroes are  $\frac{1}{2\alpha}$  and  $\frac{1}{2\beta}$
8. Obtain all other zeroes of  $3x^4 + 6x^3 - 2x^2 - 10x - 5$ , if two zeroes are  $\sqrt{5/3}$  and  $-\sqrt{5/3}$ .
9. If two zeroes of polynomial  $p(x) = x^4 - 6x^3 - 26x^2 + 138x - 35$  are  $2 \pm \sqrt{3}$ , find other zeroes.
10. Divide  $30x^4 + 11x^3 - 82x^2 - 12x + 48$  by  $3x^2 + 2x - 4$  and verify the result by division algorithm.

## SCIENCE ASSIGNMENT -1

### CLASS X

#### OUR ENVIRONMENT

- 1 Arrange the following in the form of food chain and answer the following questions snake, grass, frog, grasshopper.
  - (a) Name the top carnivore
  - (b) Which trophic level will get the maximum chemicals and name the process involved.
  - (c) What will happen if all frogs are removed from this food chain.
- 2 Justify the statement that "Flow of energy in a food chain is unidirectional". Explain by taking example of food chain (3 marks)
- 3 What is ozone? How is it formed in the atmosphere? Show by equation. Why depletion of thin layer is cause of concern? Justify.
- 4 Number of trophic level in a food chain is always limited. Justify this statement.
- 5 Differentiate between food chain and food web.
- 6 Why some substances are biodegradable while some are non-biodegradable? What would happen if all the waste is biodegradable?
- 7 Give one example of four level aquatic food chain.
- 8 What are the three different ways in which we can manage the garbage that we produce.
- 9 Name a self-sustaining system of biotic and abiotic component. Give its two examples.
- 10 What is the role of decomposers in an ecosystem?

## SCIENCE ASSIGNMENT -2

### CLASS X

#### Management of Natural Resources

- 1 Why do we need to manage our resources?
- 2 What are the four type of stakeholders of forests? To whom do you think authority should be given to manage forest produce & Why?
- 3 Mention 5 R's to save the environment.
- 4 In spite of nature's monsoon bounty, Why there is failure to sustain water underground?
- 5 Name the team used for scientific water and soil conservation. Mention its advantages.
- 6 What does 'Khadini system' refer to? In which state is it prevailing? What are the advantages of underground water?
- 7 What is Ganga action plan? Why was it started? Explain
- 8 Mention three instances which justify that local people are most concerned to conserve the forests.
- 9 Name the biodiversity hot spots. Why is it important to conserve them? Mention some approaches to conserve them.
- 10 Explain sustainable management of natural resources.

## SOCIAL SCIENCE ASSIGNMENT -1

### CLASS X

#### Chapter: Power Sharing

#### 2 MARKS

1. Mention the ethnic composition of Belgium.
2. Mention the ethnic composition of Sri Lanka
3. What is Majoritarianism?
4. Mention two moral reasons of Power Sharing
5. Explain Horizontal form of Power Sharing

#### 5 marks

1. Describe various forms of Power Sharing
2. What are the elements of power sharing in Belgium?
3. What were the features of the act of 1956 in Sri Lanka?
4. Why power sharing is desirable?

## SOCIAL SCIENCE ASSIGNMENT -2

### CLASS X

#### Chapter : Development

#### 2 MARKS

1. What is average income criterion?
2. Which method is used by UNDP?
3. Mention two goals of a former
4. What are conflicting development goals?
5. What is infant Mortality Rate?
6. Explain Net attendance Ratio.
7. Define Literacy Rate.
8. What is life expectancy Ratio?

#### 5 marks

9. Which criterion is used by World Bank? Mention its limitations.
10. Why is the use of sustainability important for Development?