

**CLASS-X**

**SUB-ENGLISH**

**POETRY-1 (DUST OF SNOW)**

**PROSE-1 (A LETTER TO GOD)**

**Read the extract and answer the following questions:**

1. That's what they say: no one dies of hunger. All through the night, Lencho thought only of his one hope, the help of God, whose eyes, as he had been instructed, see everything, even what is deep in one's conscience.

Lencho was an ox of a man, working like an animal in the fields, but still he knew how to write.

- (a) What was Lencho's only hope?
- (b) How did Lencho work in the field?
- (c) Find the exact word of similar meaning as, moral sense given in the passage.
- (d) Explain an ox of a man.

2. Has given my heart

A change of mood

And saved some part

Of a day I had rued

- (a) How did the crow change the poet's mood?
- (b) What does the poet try to suggest?
- (c) How was some part of the day saved?
- (d) Why had the poet rued the day?

**Answer the following questions in 30 to 40 words only:**

3. Who was Lencho? What were his main problems?
4. What did Lencho compare the raindrops to and why?
5. Why did Lencho write a letter to God?
6. Why did Lencho not want the money to be sent through mail?
7. What is the message of the poem 'Dust of Snow'?
8. How has the poet observed nature in the poem?
9. Why was the poet standing under the Hemlock tree?
10. What difference do you find between Robert Frost and other nature poets?

**Answer the following questions in 120 words only:**

11. Describe Lencho's qualities in light of his faith in God. Do you have faith in God like Lencho? Was Lencho's reaction towards post office employees right?
12. Small things in life make significant changes in our life. Elaborate with reference to the poem 'Dust of Snow'.

**CLASS-X**

**SUB-ENGLISH**

**POETRY-2 (FIRE AND ICE)**

**PROSE-2 (NELSON MANDELA)**

**Read the extract and answer the following questions:**

1. In life, every man has twin obligations- obligations to his family, to his parents, to his wife and children; and he has an obligation to his people, his community, his country. In a civil and humane society, each man is able to fulfil his obligations according to his inclinations and abilities. But in a country like South Africa, it was almost impossible for a man of my birth and color to fulfil both of those obligations. In South Africa, a man of color who attempted to live as a human being was punished and isolated.

- (a) What are the obligations that every man has in life?

- (b) Why was it impossible for a colored man to discharge his obligations?
- (c) Find the word in the passage which has same meaning as DUTY.
- (d) What is meant by inclinations in the passage?

2. Some say the world will end in fire

Some say in Ice.

From what I've tasted of desire

I hold with those who favour fire.

- (a) What is the opinion of the poet about the world in these lines?
- (b) How will the fire destroy the whole world?
- (c) What is the contradictory opinion of public?
- (d) How are ice and fire similar to each other though they have contradictory traits?

**Answer the following questions in 30 to 40 words only:**

- 3. What did Mandela think for oppressor and oppressed?
- 4. What do you understand by APARTHEID? Describe the effect of the policy of apartheid on the people of South Africa?
- 5. What did freedom mean to Mandela in childhood?
- 6. What did Mandela realise about his brothers and sisters?
- 7. Elaborate the symbolic meaning of FIRE and ICE.
- 8. How does Robert Frost caution the common man?
- 9. What is the message reflected in this poetry?
- 10. Which age old question does the poem revolves around?

**Answer the following questions in 120 words only:**

- 11. Describe the value of freedom for the human beings and how is it important for the growth of civilisation and humanism as described in the lesson Nelson Mandela: Long Walk to Freedom.
- 12. Discuss how extreme behaviour can hasten the end of the world with respect to Fire and Ice.

## CLASS-X

## SUB-ENGLISH

### PROSE-1 A TRIUMPH OF SURGERY

**Answer the following questions in about 30 to 40 words only:**

- 1. What made James Harriot expect a call from Mrs pumphrey?
- 2. What made Mrs Pumphrey call the Vet?
- 3. How can you say that it was hard for Mrs Pumphrey to part with her doting pet?
- 4. What made Tricky inactive and lethargic?
- 5. What kind of treatment was given to Tricky to help him to recover?
- 6. Do you think Tricky was enjoying his stay in the hospital?
- 7. How did Mrs Pumphrey respond to Tricky's convalescing rapidly?
- 8. What excuses did Mrs Pumphrey make not to follow the doctor's advice regarding Tricky?
- 9. What evidence do you get from the text about Tricky's affluent living?
- 10. Why was the entire staff of Mrs Pumphrey at work while Tricky was going to hospital?

**Answer the following questions in about 120 words only:**

- 11. Comment on the aptness of the title of the story.
- 12. How is the tactfulness and common sense of the Vet reflected through this story?

## (Writing & Grammar)

**1.** Influence of friends can have both positive and negative impact on the students. Write a letter to the editor of a national daily in about 120 words discussing how we can make it positive and productive. You are Arun/Aruna of 24 Mall Road, Chennai.

**2.** You are Sahil/Suchitra of 102 Greater Kailash, New Delhi. Being a teacher you feel very happy at the step being taken up by CBSE pertaining to compulsory Board Examination once again for Class X students. Write a letter to the editor of The Times of India expressing your thoughts regarding this decision.

**3.** The roads in residential neighbourhoods are now being choked with the cars of residents who are using public roads as parking spaces. Write a letter to the Editor of the 'City Alert' newspaper in 100-120 words suggesting to the citizens that they begin using public transport to office instead of individual forms of transport. Cite suitable reasons for bringing about this change. Sign yourself as Bhairavi.

**4.** You are Amey/Amartaya. You realize that adults need to be literate to become self -dependent and there is a need to sensitise the people about the need of adult literacy and ways to literate the adults. Write a letter to the Editor of a leading daily highlighting your concern.

**5.** Fill in any four of the following blanks choosing the most appropriate option from the ones given below. Write the answers in your answer -sheet against the correct blank numbers.

Sanitation and hygiene are also important (a) \_\_\_\_\_ the well - being of society and biodiversity conservation. The government has (b) \_\_\_\_\_ a program. It aims to develop (c) \_\_\_\_\_ riverfronts. It will solve the problem of pollution (d) \_\_\_\_\_ the rivers. The need has been (e) \_\_\_\_\_ for a long time.

(a) (i) by	(ii) from	(iii) for	(iv) into
(b) (i) initiates	(ii) initiated	(iii) initiate	(iv) initiating
(c) (i) an	(ii) a	(iii) in	(iv) the
(d) (i) in	(ii) on	(iii) onto	(iv) by
(e) (d) (i) feeling	(ii) feel	(iii) felt	(iv) have felt

**6. Fill in the blanks using ONE word only:**

Heavy multitaskers \_\_\_\_\_ actually worse at multitasking \_\_\_\_\_ those who like to do single thing at a time. The frequent multitaskers performed worse \_\_\_\_\_ they had more trouble organising \_\_\_\_\_ thoughts and filtering out irrelevant information.

**7. Fill in the blanks with appropriate word:**

Chief Minister (a).....Delhi on Monday gave a go- head for demarcating (b).....land that does not fall under forest area for construction of roads (c).....drainage in 179 unauthorized colonies. Officials said a forest departmental notification in 2015 had stopped development work in these colonies saying no construction work (d).....be carried out (e).....Ridge area.

**8.** The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction in your answer sheet. Remember to underline the word you have supplied. The first one has been done for you.

(a)

The house on which we were to live e.g.		On	In
was in one end of the village.	(a)		
It was hiding behind a screen of	(b)		

mango and orange tree and bushes	(c)		
of hibiscus full from enormous	(d)		
scarlet flowers. The house were adequate	(e)		
without be luxurious. We had just finished	(f)		
unpacking when they were greeted by the	(g)		
housekeeper which name was Paula.	(h)		

(b)

One day, in the cinema hall, Bishnu see the old man who had been with him upon the bus. He greeted her like a long lost friend. At firstly, the old man did not recognise a boy, but when Bishnu asked him if he have recovered of his illness, the old man remembered and says, "so you are still in Mussoorie."

	<b>Incorrect</b>	<b>Correct</b>
e.g.	see	saw
(a)	_____	_____
(b)	_____	_____
(c)	_____	_____
(d)	_____	_____
(e)	_____	_____
(f)	_____	_____
(g)	_____	_____
(h)	_____	_____

(c)

Parts in North India could e.g. still experience a extended winter. As cluster of disturbances has closed in nearly half of the country in many sides. These twirling ball of moisture-laden winds have fanned out into a wide swath.

	<b>Incorrect</b>	<b>Correction</b>
(a)	.....	.....
(b)	.....	.....
(c)	.....	.....
(d)	.....	.....
(e)	.....	.....

**11.Rearrange these words and phrases to make meaningful sentences.**

- a) the temple architecture/form an/the sculptures and paintings/of/essential part
- b) the architecture/engineering marvel/is both/an artistic masterpiece/and an/in some temples
- c) is/situated in/the Konark temple/dedicated to/ north eastern corner of Puri/the Sun God
- d) rain water / flooding / helps/ harvesting / in / chances of / reducing
- e) storm / helps/ also/better/ water/ it / water management / in
- f) plant growth / in/storing /rainwater / can/ help / improving
- g) is/ from / stored/ natural and/ pollutants /rain water /free/ man- made
- h) out/ the/street/ earthquake/another/on/people/ came/ fearing
- i) .was/my first/of/day/swimming/experience/of/my/life/most/horrible/the
- j) .held/in/the/a lot/college/competitions/students//last/week/participated/of/in/the
- k) .preparing/students/for examinations/are/this/month
- l) .society/gold/medal/the/President/gave/of/the/her/a

कक्षा -x

विषय -हिन्दी

निम्न लिखित प्रश्नों के उत्तर अंक के अनुसार दीजिये -----

प्र-1 शब्द वाक्य में प्रयुक्त होने पर क्या कहलाता है ?उदाहरण देकर समझाइए ।

प्र-2 शब्द किसे कहते हैं ?उदाहरण देकर शब्द और पद में अंतर स्पष्ट कीजिये ।

निम्नलिखित शब्दों के समास विग्रह करते हुये समास का नाम लिखिए -

ग्रंथकार ,आत्मविश्वास ,नवनिधि ,यथासमय ,विध्यालय ,रजनीचर ,गोपाल,स्नेहमग्न,राजमहल,चतुरानन

निम्नलिखित शब्दों के समस्त पद बनाते हुये समास का नाम लिखिए -

जो नभ में विचरण करता हो ,सीमा का प्रहरी,राम और श्याम,अकाल से पीड़ित ,जहाँ तक संभव हो ,भाव के अनुसार,आठ अध्यायों का समूह ,जन का आंदोलन ,नीला है जो कमल ,एक दाँत वाला ,

निम्न लिखित प्रश्नों के उत्तर अंक के अनुसार दीजिये -----

1.बड़े भाई की उपदेश कला पर विचार कीजिए ।

2.बड़ा भाई किस कारण लेखक पर निगरानी का अधिकार समझता था।

3.वह स्वभाव से अध्ययन शील थे—इस में क्या व्यंग्य है?

4.छोटे भाई की शालीनता किस बात में थी ? क्या उसने शालीनता निभाई?

5.बड़ा भाई छोटे भाई की सफलता को बेकार सिद्ध करने के लिए कौन- कौन से तर्क देता?

6.कैसे पता चलता है कि छोटा भाई अपने भाई साहब का आदर करता था?

कबीर ने अपने 'हिरण'का उदाहरण किस संदर्भ में दिया है ?क्या आप भी कबीर के विचार से सहमत हैं ?अपना उत्तर स्पष्ट रूप से लिखिए |5

कबीर ने अपने दोहे में निंदक को समीप रखने की सलाह दी है 2|क्या आप भी अपने निंदक को पसंद करते हैं ?निंदक के प्रति सकारात्मक दृष्टिकोण रखते हुये उससे होने वाले लाभों के बारे में लिखिए | 5

कबीर की किसी साखी के आधार पर बताइये कि कबीर किन जीवन मूल्यों को मानव के लिए आवश्यक मानते हैं? 3

अहंकार का भाव भक्ति मार्ग की सबसे बड़ी बाधा है | कबीर की साखी के आधार पर सिद्ध कीजिये |

2

प्र-1-रिक्त स्थानों की पूर्ति करिए -----

क-सुभाष बाबू के जुलूस का भार -----पर था ।

ख-हरिश्चंद्र सिंह तारा -----में झंडा फहराने गए थे ।

ग-झंडोत्सव -----को मनाया गया ।

घ-----बंगाल प्रांतीय विद्यार्थी संघ के मंत्री थे ।

ङ कलकत्ता में -----स्त्रियां पकड़ी गयी ।

च मीरा के आराध्य -----थे ।

छ प्रहलाद के पिता का नाम -----था ।

ज द्रोपदी का चीर हरण -----ने किया था ।

झ प्रहलाद की रक्षा के लिए -----का रूप धारण किया ।

ट-मीरा -----की गलियों में गोविंद लीला गाती थी ।

प्र-2-निम्नलिखित प्रश्नों के उत्तर एक वाक्य में लिखिए -----

क-झण्डा फहराए जाने का समय क्या था ?

ख-प्रतिज्ञा किनके द्वारा पढ़ी गयी ?

घ-दास गुप्ता का फोटो खींचने का कारण क्या था ?

ङ मीरा ने कृष्ण को किन-किन नामों से पुकारा है ?

च मीरा की भक्ति सगुण है या निर्गुण ?

छ-“चाकर”शब्द का क्या अर्थ है ? -

ज-मीरा ईश्वर से क्या प्रार्थना करती हैं

प्र-3निम्नलिखित प्रश्नों के उत्तर लिखिए -----

क-भक्त प्रहलाद की रक्षा कृष्ण ने किस प्रकार की और क्यों ?

ख-मीराबाई कृष्ण की चाकरी कर क्या-क्या लाभ कमाना चाहती हैं ?

ग-“डायरी का एक पन्ना” पाठ हमें क्या संदेश देता है,अपने शब्दों में लिखिए ।-

घ-सुभाष बाबू के जुलूस में स्त्री समाज भी पुरुषों से पीछे नहीं रहा ।”डायरी का एक पन्ना” पाठ के आधार पर स्पष्ट करें ।

प्र-2 रिक्त स्थानों की पूर्ति करिए----

क-हरिहर काका कहानी में मैं -----प्रतीक है ।

ख-लेखक -----गाँव में रहता है ।

ग-ठाकुरबारी का निर्माण -----किया ।

घ-ठाकुरबारी के नाम -----बीघे जमीन थी ।

ङ-बीमार होने पर काका की देखभाल -----करता था ।

च-काका ठाकुरबारी में -----दिन रहे ।

छ-हरिहर काका की जमीन को लेकर गाँव के लोग -----मतों में बंट गए थे ।

प्र-3-निम्नलिखित प्रश्नों के उत्तर दीजिये ---

क "अगउम"से आप क्या समझते हैं

ख 'दवनी"किसे कहते है ?

ग-'हुमाध"में क्या दिया जाता था ?

घ-ठाकुरबारी में हरिहर काका की सेवा क्यों हो रही थी ?

ङ- हरिहर काका के भाई उन्हें बहुमूल्य वस्तु की तरह सँजोकर क्यों रख रहे थे ?

च-"जिसका धन वह रहे विलास,खाने वाले करें विलास"पंक्ति का क्या अर्थ है ?

छ-हरिहर काका ने सबसे बात करना बंद क्यों कर दिया था ?

ज-ठाकुरबारी के विषय में लोगों के क्या विचार थे ?

प्र-1 हरिहर काका के जीवन के अनुभवों से हमें क्या शिक्षा मिलती है ?

मीराबाई ने हरि से स्वयं का कष्ट दूर करने की जो विनती की है उसमें स्वयं का कृष्ण से कौन सा 7

संबंध बताया है?जिन भक्तों के उदाहरण दिये हैं उनमें से एक पर की गई कृष्ण कृपा को संक्षेप में

लिखिए |5

भक्ति के विषय में मीरा क्या संदेश देना चाहती है|2

बिषय - हिंदी

कक्षा - X

निम्नलिखित वाक्यों को निर्देशानुसार परिवर्तित कीजिये-----

1. सभी धर्म एकता का संदेश देते हैं।(मिश्र )
2. नरेंद्र मोदी के प्रधानमंत्री बनते ही लोगोंकी उनसे उम्मीदें बढ़ गई (मिश्र )
3. दिपांश बाजार गया और माँ के लिए सभी आवश्यक सामान ले आया।(सरल)
4. धीरेन की नौकरी लगते ही घर के हालात बदलने लगे।(संयुक्त )
5. ज्यो ही आकाश में सूर्य की लालिमा दिखाई दी और पक्षी घोंसलों से बाहर आ गए । (संयुक्त)
6. चूँकि माँ के हाथ से कबूतर का अंडा टूट गया इसलिए उसने पूरा दिन रोजा रखा ।(मिश्र)
7. विद्वान का सभी आदर करते हैं ।( मिश्र)
8. जैसे ही मैंने गाना गया वैसे ही सारे सो गए (संयुक्त) ।
9. प्रधान मंत्री आए और कार्यक्रम शुरू हुआ )। सरल(
10. कबीर आया और नीरजा चली गई । (मिश्र )
11. जैसे ही मैंने गाना गया वैसे ही सारे सो गए ) । संयुक्त(
12. आप जो कुछ कह रहे हैं वह बिलकुल सच है )। सरल(
13. वामीरों ने विवश होकर आग्रह किया। (संयुक्त)
14. मैंने बहुत मेहनत नहीं की परंतु दर्जे में अक्वल आ गया ।(सरल)
15. मैं यह लताड़ सुनकर आँसू बहाने लगता । (संयुक्त)
16. हरिहर काका पंद्रह बीघे उपजाऊ जमीन के मालिक थे ।(मिश्र)
17. घर चले जाओ और मजे से गुल्ली डंडा खेलो ।(सरल)
18. जब हरिहर के भाई खलिहान से लौटे तब उन्हें इस दुर्घटना का पता चला।(सरल)

19 जब मैं सयाना हुआ तब मेरी दोस्ती हरिहर काका से हुई |(संयुक्त)

20 ताला तोड़कर कमरे का दरवाजा खोला गया |(मिश्र)

प्र 7 निम्नलिखित वाक्यों को शुद्ध करके लिखिए .....

1. उसे मृत्युदंड की सजा मिली ।
2. कविता को ताजा फलों का जूस अच्छा लगता है ।
3. वह ने अपनी सारी व्यथा सुना डाली ।
4. मंत्रीजी के गले में एक फूलों कि माला पहनाओ ।
5. बच्चे को काटकर फल खिलाओ ।
6. वह आदमी बेवकूफ है ।
7. आप यहाँ बैठो ।
8. हमको नहीं मालूम था कि झगड़ा इतना बढ़ जाएगा ।
9. अनेकों लोगों ने प्रधानमंत्री का अभिनंदन किया ।
10. तेरे को प्रधानाचार्य ने बुलाया है ।
11. सारे देशभर में खुशियाँ मनाई गई ।
12. मुझे एक गर्म चाय का कप दे दीजिये ।
13. आम के डाल पर पकने की आशा है ।
14. तुम्हारा माताजी कल आने वाला है ।
15. अपन को तुम्हारी आदतें पसंद नहीं ।

प्रश्न-3 क 1-बच्चों पर बुरा प्रभाव डालने वाले किसी कार्यक्रम के बारे में शिकायत करते हुए दूरदर्शन चैनल के महानिदेशक को एक पत्र लिखिए ।

क-2-आपने किसी पुस्तक विक्रेता से कुछ पुस्तके मँगवाई थी ,जो आपको अभी तक मिल नहीं पाई |इस बारे में सूचित करते हुए शीघ्र पुस्तके भिजवाने हेतु पुस्तक विक्रेता को एक पत्र लिखिए |

प्र-2 क -कक्षा बारह के बाद अपने भविष्य की योजना पर संवाद लिखिए |

ख-सुबह योगाभ्यास से होने वाले लाभों पर दो मित्रों का संवाद लिखिए |

## chapter 1&2

### SECTION A

- Q1. If  $\alpha, \beta$  are the zeroes of the polynomials  $2y^2+7y+5$  write the value of  $\alpha + \beta + \alpha\beta$ .
- Q2. For what value of  $p$ ,  $(-4)$  is a zero of the polynomial  $x^2-2x-(7p+3)$ .
- Q3. Given that  $\text{HCF}(306, 657) = 9$ , find  $\text{LCM}(306, 657)$ .

### SECTION B

- Q4. Check whether  $6^n$  can end with the digit 0 for any natural number  $n$ .
- Q5. Show that  $5 - \sqrt{3}$  is irrational.
- Q6. Find a quadratic polynomial, the sum and product of whose zeroes are  $-3$  and  $2$ , respectively.

### SECTION C

- Q7. Find the zeroes of the quadratic polynomial  $x^2 + 7x + 10$ , and verify the relationship between the zeroes and the coefficients.
- Q8. Use Euclid's algorithm to find the HCF of 4052 and 12576.

### SECTION D

- Q9. Prove that  $\sqrt{3}$  is irrational.
- Q10. Find all the zeroes of  $3x^4+6x^3-2x^2-10x-5$ , if two of its zeroes are  $\sqrt{5}/3$  and  $-\sqrt{5}/3$ .

## chapter 3

### SECTION A

Q1. Find the value of  $a$  so that the point  $(3, a)$ , lies on the line represented by  $2x + 3y = 5$ .

Q2. Find the number of solutions of the following pair of linear equations

$$x + 2y - 8 = 0, \quad 2x + 4y = 16.$$

Q3. Write whether the following pair of linear equations is consistent or not

$$x + y = 14, \quad x - y = 4$$

### SECTION B

Q4. Solve the following pair of linear equations by the substitution and cross-multiplication methods :  $8x + 5y = 9$ ,  $3x + 2y = 4$

Q5. For what values of  $k$  will the following pair of linear equations have infinitely many solutions?

$$kx + 3y - (k - 3) = 0, \quad 12x + ky - k = 0$$

Q6. Form the pair of linear equation and find the solution

The larger of two supplementary angles exceeds the smaller by 18 degrees. Find them.

### SECTION C

Q7. Draw the graphs of the equations  $x - y + 1 = 0$  and  $3x + 2y - 12 = 0$ . Determine the coordinates of the vertices of the triangle formed by these lines and the  $x$ -axis, and shade the triangular region.

Q8. The sum of the digits of a two-digit number is 9. Also, nine times this number is twice the number obtained by reversing the order of the digits. Find the number.

### SECTION D

Q9. A fraction becomes  $\frac{1}{3}$  when 1 is subtracted from the numerator and it becomes  $\frac{1}{4}$  when 8 is added to its denominator. Find the fraction.

Q10. Ritu can row downstream 20 km in 2 hours, and upstream 4 km in 2 hours. Find her speed of rowing in still water and the speed of the current.

## chapter 4

### SECTION A

- Q1. If the quadratic equation  $px^2 - 2 + \sqrt{5px} + 15 = 0$  has two equal roots then find the value of  $p$ .
- Q2. If one zero of the polynomial  $x^2 - 4x + 1$  is  $2 + \sqrt{3}$ , write the other zero.
- Q3. If  $x = -1/2$ , is a solution of the quadratic equation  $3x^2 + 2kx - 3 = 0$  find the value of  $k$ .

### SECTION B

- Q4. Find the roots of the following quadratic equations by factorisation:  
 $\sqrt{2}x^2 + 7x + 5\sqrt{2} = 0$
- Q5. Find the values of  $k$  for each of the following quadratic equations, so that they have two equal roots.  $kx(x-2) + 6 = 0$
- Q6. Find the nature of the roots of the following quadratic equations. If the real roots exist, find them:  $2x^2 - 3x + 5 = 0$

### SECTION C

- Q7. Is it possible to design a rectangular park of perimeter 80 m and area 400 m<sup>2</sup>? If so, find its length and breadth.
- Q8. A cottage industry produces a certain number of pottery articles in a day. It was observed on a particular day that the cost of production of each article (in rupees) was 3 more than twice the number of articles produced on that day. If the total cost of production on that day was Rs 90, find the number of articles produced and the cost of each article.

### SECTION D

- Q9. Two water taps together can fill a tank in  $75/8$  hours. The tap of larger diameter takes 10 hours less than the smaller one to fill the tank separately. Find the time in which each tap can separately fill the tank.
- Q10. A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train.

### **VERY SHORT ANSWER ( 1 MARK)**

- Q1.** When do we say that chemical reaction have taken place ?
- Q2.** Differentiate between chemical and physical change ?
- Q3.** Name the metal which burns with dazzling white flame , give equation to show the Products formed during the reactions ?
- Q4.** Why should a chemical equation be balanced ?
- Q5.** Balance the following chemical equations ?
- (i) Iron and water gives ferric oxide and hydrogen gas .
  - (ii) Methane burns in presence of oxygen to give carbon dioxide and water .
  - (iii) Lead nitrate reacts with potassium iodide to give lead iodide and potassium nitrate .
  - (iv) Nitric acid reacts with calcium hydroxide to give calcium nitrate and water .
- Q6.** Give example of combination exothermic reaction , what is its application in daily life ?
- Q7.** Give equation to show thermal decomposition reaction ?
- Q8.** Why sulphuric acid is added during decomposition of water . Name the products obtained Anode and cathode with their volume ratio .

### **SHORT ANSWER (3 MARK)**

- Q9.** What happens when silver bromide and silver chloride are exposed to light ?
- Q10.** What do you mean by ion exchange reactions , give balanced equations ?
- Q11.** Give an equation to show neutralization reaction ?(Any two equations)
- Q12.** What are redox reactions , give equation and indicate the substance oxidized , substance reduced, oxidizing agent and reducing agent ?
- Q13.** What do you mean by corrosion , give its preventive measure ?
- Q14.** What is rancidity , how can it be prevented ?
- Q15.** Give an example of important decomposition reaction used in various industries ?

### **LONG ANSWER ( 5 MARK)**

- Q16.** What do you mean by precipitation reaction , give equations showing formation of yellow and white precipitate ?
- Q17.** A shiny brown substance x , on heating in air forms a black substance y, which on Treating with hydrogen gas in presence of heat again forms x , identify x and y ? Give equations and write what type of equations are they ?
- Q18.** In the refining of silver ,the recovery of silver from silver nitrate solution involved displacement by copper metal . Write down the equation involved ? Define the type of reaction?
- Q19.** Name the substance oxidized , substance reduced , oxidizing agent and reducing agent In the given equation ?
- $$\text{MnO}_2 + 4 \text{HCl} \rightarrow \text{MnCl}_2 + 2 \text{H}_2\text{O} + \text{Cl}_2$$

**Assignment for Class X(Physics)**  
**CH:12 ELECTRICITY**

1. How do we express electric current?
2. What is an electric circuit?
3. What is the SI unit of electric charge? How many electrons make one coulomb of charge?
4. Define the SI unit of current.
5. Which instrument is used to measure the current flowing in a circuit? How is it connected in the circuit and why?
6. What makes the electric charge to flow?
7. State the energy conversion taking place in  
(a) Electric cell (b) Electric torch
8. Define the electric potential difference between two points in an electric circuit carrying some current.
9. Define the SI unit of Electric potential.
10. Which instrument is used to measure the electric potential difference between two points in a circuit? How is it connected in the circuit and why?
11. State the law relating the potential difference across a conductor and the current through it?
12. How can three resistors of resistances 2ohm,3ohm and 6 ohm be connected to give a total resistance of (a) 4 ohm(b) 1 ohm
13. Define resistance of a material. Define its SI unit.
14. Which component is used to regulate current without changing the voltage source in an electric circuit?
15. How many 176 ohm resistors(in parallel) are required to carry 5 A on a 220volt line?
16. What is the electrical resistivity of the material of the conductor? What is its SI unit?
17. Which common factor affects both resistance as well as resistivity and how?
18. Alloys are commonly used in electrical heating devices. Why?
19. When a number of resistors are connected in series in a circuit what would be their equivalent resistance ?
20. When a number of resistors are connected in parallel in a circuit what would be their equivalent resistance ?
21. What is heating effect of electric current. Which materials are preferred for a fuse wire and why?  
Name the various devices in which this effect is utilized.
22. 100J of heat is produced each sec in a 4 ohm resistance. Find the pd across the resistor.
23. Which effect of current is responsible for the glow of an electric bulb? Explain.
24. Which metal is used as the filament of an electric bulb and why?
25. What will be the resistance if the length of the conductor becomes double?

**CLASS -X**  
**LIFE PROCESSES**

- Q1. Define translocation in plants.
- Q2. Define transpiration.
- Q3. What is the role of acid in our stomach ?
- Q4. How do organisms like mushrooms and bread mould obtain their food ?
- Q5. Where does digestion of fats takes place in our body ?
- Q6. Mention the functions of stomata.
- Q7. Why do walls of trachea not collapse even when there is less air in it?
- Q8. Name the enzymes present in pancreatic juice.
- Q9. Why do ventricles have thicker walls than Atria
- Q10. Why are cramps caused in our muscles during sudden activity ?
- Q11. Explain double circulation of blood in human beings.
- Q12. Draw a well labelled diagram of human digestive system.
- Q13. Draw a well labelled diagram of human respiratory system.
- Q14. What is the composition of blood ? Explain.
- Q15. Why is transpiration important for plants ?
- Q16. Differentiate between blood and lymph.
- Q17. Draw a well labelled diagram of human excretory system.
- Q18. Draw a well labelled diagram of nephron.
- Q19. Draw a well labelled diagram of human heart.
- Q20. Mention the different functions of blood.

## **ECONOMICS CHAPTER 1**

1. What is national income and per capita income?
2. Define sustainable development.
3. What is net attendance ratio?
4. What is Life Expectancy at birth ?
5. Why does Kerala has low infant mortality rate?
6. Give two conventional and non conventional sources of energy.
7. Compare and contrast the World bank criterion and UNDP criterion for classifying economies as rich, middle and low income.
8. "Different persons have different development goals". Justify
9. Why is the issue of sustainability important for development?
10. What do you mean by Public facilities? Why are they important in a developing country like India?

**(SOCIAL SCIENCE)**

**CLASS X**  
**POL-SCIENCE (CHAPTER-1)**  
**POWER SHARING**

**VERY SHORT ANSWER TYPE QUESTION:**

1. What is majoritarianism?
2. What is the concept of 'Community government' of Belgium?
3. Why is horizontal power sharing also called a 'system of checks and balances'?
4. Name the two subgroups of Srilankan Tamils.
5. What is the ethnic composition of ethnic composition of capital city Brussels?
6. Name the ethnic group of Sri Lanka which were involved in a civil war.
7. What is the language spoken by the people residing in the Flemish region and Wallonia region of Belgium?
8. What is civil war?
9. What is the ethnic composition of Belgium?
10. What do you mean by the word "Ethnic"?

**SHORT ANSWER TYPE QUESTION**

1. Why power sharing is important in a democracy?
2. What were the majoritarianism measures taken in Sri Lanka to establish Sinhala supremacy?
3. What were the three demands raised by Tamils in Sri Lanka?
4. "Power sharing is the very spirit of democracy" justify the statement with three suitable examples?
5. "Both Belgium and Sri Lanka are democracies but they follow different system of power-sharing". Support the statement by giving them points of difference.

**LONG ANSWER TYPE QUESTION**

1. Why is power shared among different organs of government?
2. Differentiate between Horizontal and vertical form of power sharing?
3. What are the moral and prudential reasons of power sharing?
4. Explain the Similarities between Srilankan and Belgium democracies.

**(SOCIAL SCIENCE)**  
**CLASS X**  
**POL-SCIENCE (CHAPTER-2)**  
**FEDERALISM**

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**VERY SHORT ANSWER TYPE QUESTION:**

1. What is a federal system of government?
2. Who are the members of the Gram Sabha?
3. Who is the political head of Municipality and Municipal Corporation?
4. What is coming together federation?
5. Which subjects are included in the Union list?
6. What are Residuary power
7. What is decentralisation?
8. Which state in India enjoys a special status under the Indian constitution?
9. What is decentralization?
10. Which subjects are included in Concurrent List?

**SHORT ANSWER TYPE QUESTION**

1. What makes India a federal country?
2. Compare the Federations of “Coming together type” and “ Holding together type”?
3. Explain the composition of local self government of rural area.
4. What is Panchayati Raj ? What is its importance?
5. Why India does not have any National language?

**LONG ANSWER TYPE QUESTION**

1. Differentiate between unitary and federal form of government.
2. What is the importance or need for decentralisation?
3. Explain five changes towards decentralization brought in the constitution after the amendments made in 1992.
4. What are the features of the federal form of government?
5. Differentiate between the Coming Together Federation and the Holding Together Federation.

## CLASS-X

### GEOGRAPHY

#### CHAPTER-1 RESOURCES AND DEVELOPMENT

##### VERY SHORT ANSWER TYPE QUESTIONS

- 1) What is a Resource?
- 2) What is Gross sown area?
- 3) Name any two states of India which are well endowed with solar energy.
- 4) "There is enough for everybody's need and not for anybody's greed". Who said these word?
- 5) Name any two states which have high percentage of net sown area.
- 6) How can the alluvial soil be classified according to their age?
- 7) Name a mineral in which the black soil is poor.
- 8) What is sheet erosion?
- 9) Name the soil which develop due to leaching.
- 10) What are Potential Resources?

##### SHORT ANSWER TYPE QUESTIONS

- 11) 'Indiscriminate use of resources has led to numerous problem'. Justify.
- 12) "Planning is the widely accepted strategy for judicious use of resources in a country like India ". Justify with example.
- 13) How over irrigation and mining lead to land degradation? Which states of India face this problem?
- 14) Explain the classification of resources on the basis of the status of development.
- 15) Mention any three characteristics of laterite soil.

##### LONG ANSWER TYPE QUESTIONS

- 16) Which soil is called 'regur soil'? Mention any four characteristics of this type of soil.
- 17) What is soil erosion? Explain the major types of soil erosions prevailing in India.
- 18) What is resource planning? Explain the steps involved in the resource planning in India.
- 19) What are the different ways to solve the problem of land degradation?
- 20) What does sustainable economic development mean? How can we eradicate irrational consumption and over-utilisation of resources?

## **CLASS X**

## **HISTORY**

### **CHAPTER -1 RISE OF NATIONALISM IN EUROPE**

#### **VERY SHORT ANSWER TYPE QUESTION:**

1. Name the French artist who prepared a series of four prints visualizing his dream of a new
2. What was Napoleonic code usually known as?
3. When did Napoleon invade Italy?
4. Who was called the Bismarck of Italy?
5. In which year the treaty of Vienna was signed?
6. In the Frankfurt parliament a constitution was drafted on which d
7. Who hosted the congress at Vienna is
8. What were the large land owners of Prussia known as?
9. ‘When France sneezes the rest of the Europe catches cold’. Who is the speaker of the line
10. Who was Otto von Bismarck?

#### **SHORT ANSWER TYPE QUESTION:**

1. Describe in brief any four features of the Vienna treaty of 1815.
2. Write a short note on Habsburg empire.
3. Write the implications of Zollverein?
4. What area was known as the Balkans?
5. Describe in brief the great economic hardships during the 1830s in Europe.

#### **LONG ANSWERTYPE QUESTION:**

1. ‘Describe the impact of the revolution of the liberals’ in 1848 in Europe.
2. How did nationalism develop through culture in Europe? Explain.
3. Explain the various stages of Italian verification.
4. Explain the feature of Napoleon code.
5. “The Balkans issue was one of the major factors responsible for the first world war.” Explain.

## Information Technology- CLASS – X,

### I. Fill in the blanks

1. The option in Microsoft Windows XP used for helping users with physical disabilities and to reduce repetitive strain is \_\_\_\_\_.
2. Sound Sentry is designed to help users with \_\_\_\_\_ impairments.
3. The High Contrast option in Microsoft Windows XP is designed to assist people with \_\_\_\_\_ impairments.
4. \_\_\_\_\_ is designed to assist people that have difficulty using a keyboard or a mouse.
5. The acronym for LAN is \_\_\_\_\_.
6. . Three types of Wired Internet Connectivity are \_\_\_\_\_ , \_\_\_\_\_ & \_\_\_\_\_.
7. Three types of Wireless Internet Connectivity are \_\_\_\_\_ , \_\_\_\_\_ & \_\_\_\_\_.
8. \_\_\_\_\_ is a form of communication over the Internet that offers an instantaneous transmission of text-based messages from sender to receiver
9. \_\_\_\_\_ , \_\_\_\_\_ & \_\_\_\_\_ & Web Camera are required for audio and video conferencing.

### II. Answer the following:

1. What is the definition of networking?
2. What are the advantages of networking?
3. What are the different types of networking?
4. Explain LAN and WAN.
5. List any five application based instant messaging software
6. What do you mean by instant messages?
7. State any 03 rules and etiquettes to be followed while chatting on the Internet.
8. What are the basic needs to use instant messaging (chat) softwares.
9. Explain the purpose of a blog.
10. List any 5 websites that provide blog service.
11. Difference between web page and website.
12. Explain the purpose of an offline blog editor.
13. List any five offline blog editors.
14. Explain the purpose of Online transactions.
15. List any five websites that allow online transactions.
16. List any three payment tools to use online transactions.
17. Explain the purpose of Internet Security.
18. Explain different kinds of online threats.