

ENGLISH
ASSIGNMENT FOR
CLASS X
CHAPTER: FIRE AND ICE

EXTRACTS:

1. 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 thinking of the people regarding the end of the world?
 - (b) What is the poet's opinion about the end of the world?
 - (c) Who is the poet of this poem?
 - (d) Find the word from the passage which means the same as 'endless greed'.
 - (e) Passion, greed and desire are signified by.....
 - (f) The indifference, hatred and rigidity are signified by-----.
 - (g) What is the rhyme scheme of the above extract?
 - (h) The poet favours the opinion of the people who think the world will end in----- --.

2. But if it had to perish twice
 I think I know enough of hate
 To say that for destruction ice
 Is also great.
 - (a) The poet thinks of what?
 - (b) What is great for destruction?
 - (c) Find the word from the extract which means the same as 'to die'.
 - (d) Hatred, coldness and rigidity are the symbols of----- --.

SHORT QUESTIONS:

1. What does fire stand for?
2. What does ice stand for?
3. What is the general opinion about the end of the world?
4. What does the poet think, the world will end in?
5. Can hatred destroy the world?
6. According to the poet what will end one day?
7. How is ice sufficient for destruction?
8. What has the poet tasted?
9. What has to perish twice?
10. Why does the poet hold with those who favour fire?

CHAPTER 1- A Letter to God

EXTRACTS:

1. 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.
 - (a) Who was satisfied?
 - (i) Lencho
 - (ii) God
 - (iii) Post master
 - (iv) None
 - (b) Why was he satisfied?
 - (i) To see his crops
 - (ii) To see the letter from God
 - (iii) To see the rain falling
 - (iv) To see the new coins
 - (c) Which word in the extract means the same as 'covered'?
 - (i) To cover
 - (ii) Curtain
 - (iii) Draped
 - (iv) Ripe
 - (d) Suddenly----- began to fall.
 - (i) Rain drops
 - (ii) Snow
 - (iii) Snow flakes
 - (iv) Large hailstones

2. The moment the letter fell into the mail box, the post master went to open it. It said, "God, of the money I asked for, only seventy pesos reached me. Send me the rest, since I need it very much. But don't send it to me through the mail because the post office employees are a bunch of crooks."
 - (a) What did Lencho mean by the rest?
 - (b) Who was in Lencho's mind when he was writing the letter?
 - (c) Find out a word opposite of 'honest' from the extract.
 - (d) Who are denoted as a bunch of crooks?

3. Lencho showed the slightest surprise on seeing the money; such was his confidence - but he became angry when he counted the money. God could not have made a mistake, not could he have denied Lencho what he had requested.
 - (a) What was Lencho's reaction on seeing the money?
 - (b) What was the amount Lencho got from God?
 - (c) Who handed the letter to Lencho?
 - (d) Lencho's belief in God was

- (i) Strong
- (ii) Weak
- (iii) Very weak
- (iv) Somewhat strong

4. So in order to not to shake the writer's faith in God, the postmaster came up with an idea: answer the letter. But when he opened it, it was evident that to answer it, he needed something more than good will, ink and paper. But he stuck to his resolution: He asked money from his employees.

- (a) Who decided to answer the letter?
- (b) Whose help the post master sought to contribute money?
- (c) Which word in the extract means the same as 'firm decision'?
- (d) Who is 'he' in the passage?

5. In the north-east, huge mountains of clouds could be seen approaching. The air was fresh and sweet. The man went out for no other reason than to have the pleasure of feeling the rain on his body, and when he returned he exclaimed, "These are not raindrops falling from the sky, they are new coins. The big drops are ten cent pieces and the little ones are fives".

- (a) Why did Lencho go out in the rain?
- (b) Why did Lencho compare the rain drops to new coins?
- (c) Which word in the extract means the same as 'coming closer'?
- (d) What are the rain drops compared to?

SHORT QUESTIONS:

1. Explain the qualities of the post office employees?
2. Why would you not agree with Lencho calling them 'a bunch of crooks'?
3. Why was Lencho angry when he received the letter?
4. How did the post master help Lencho?
5. What were Lencho's feelings when the hailstorm stopped?
6. What were Lencho's feelings when he found the letter with money in it? What did he do after opening the letter?
7. Why did Lencho become angry when he counted the money?
8. What did Lencho write in his second letter?
9. Where was Lencho's house situated?
10. Write a short note on Lencho's belief in God.

LONG QUESTIONS:

1. What moral values does the postmaster display in his behaviour?
2. Lencho seemed to be an impulsive man who felt suddenly elated at the rainfall and later became sad to see the destruction which the rain had caused. Did he lack tolerance? Did he not have the courage to face the challenges of life? Elucidate it discussing the values one must possess to face any type of situation.

3. What makes Lencho write a letter to God? What was its outcome?
4. Lencho had faith in God but lacked faith in humanity. Elaborate.

THE TRIUMPH OF SURGERY

James Herriot

Q1. Read the given extract and answer the questions that follow:

“Now I really mean this, if you don’t cut his food right down and give him more exercise ,he is going to be really ill .”

Q a. Name the story and the author.

Q b. Who is speaking and to whom?

Qc. Whose food does the speaker suggest to cut down ? why?

SHORT QUESTIONS:

- Why was Mr. Herriot shocked at Tricky’s appearance ?
- What was Tricky’s ailment ? How did it worry Mrs. Pumphrey?
- “Mrs. Pumphery was responsible for Tricky’s ailment. How ?
- Why was Dr. Herriot exoecting a call from Mr. Pumphery?
- Hoe did Mrs. Pumphery react when she heard that Tricky could be collected from the surgery ?

LONG QUESTIONS :

- What kind of a person is the veterinary surgeon is ? Would you say he is tactful as well as full of common sense ?
- Imagine you are the narrator of the story and a veterinary surgeon also . Write how you treated Tricky and handled Mrs. Pumphery ?

ARTICLE WRITING

Q1. The government has urged the people of India to realize the dream of 'Clean India'. Write an article describing the measures that people can take for a cleaner and greener India. (100—150 words).

Q2. You all are aware of outbreak of Corona virus throughout the world. Write an article what safety measure and precautions people can take for avoiding the infection. (100—150)

Q3. The appearance of mega malls and multiplexes increases the growth and development of city. At the same time they give rise to materialism in terms of unnecessary spending and also create environmental hazards. Write an article expressing your views. (100—150).

Q4. You are Ravi/Raveena, sports secretary of your school. Write an article in 100—150 words on the topic 'Importance of Outdoor Games in the Life of a Teenager'.(100—150).

Q5. You are Suhas/Suhani, write an article for school magazine emphasizing the need for art and music to be taught in schools.(100—150).

EDITING

The following passages have not been edited. There is an error in each line. Find out the error and write the correct word against the correct blank number.

	error	correction
1. In the prisoner's room a candle is	-----	-----
Burning dimly. A prisoner himself	-----	-----
Sat by the table.Only him back,	-----	-----
the hair by his head., and his	-----	-----
hands are visible from outside the window.	-----	-----

2.		Error	correction
	Google is the more popular search engine online	----	-----
	And use by millions of people everyday.	-----	-----
	It is a American multinational corporation	-----	-----
	Base in California, USA.	-----	-----

3.		Error	correction
	The temple had to be slightly remodel by the British	-----	-----
	When they begin repairs. During Aurangzeb's		-----
	attack, his demolition men had begun for	-----	-----
	the roof and worked his way downwards.		-----

4.		Error	correction
	That evening again there is an air raid	-----	-----
	Hearing the soundin which Anne's hunger	-----	-----
	Had vanished.The planes dived has climbed.	-----	-----
	People can hear hum of the engines.	-----	-----

Q. Rearrange the following jumbled words into meaningful sentences:

1. enters/millions of tons/the /every year/ of/ocean/plastic
2. are/waters/sightings/junk-filled/of/common
3. population/middle-class/increasing/is/coastlines/along
4. trash/increase/has led/waste management/lack/of/in/to
5. close/like/others/helping/ my/friends
6. by/notorious/the police/was caught/the /thief
7. arrested/criminals/were/in Varanasi/four
8. steal/tried to/they/from/museum/ a Buddha/statue/the
9. in place/famous/the/is back/statue
10. department/thanked/the/museum the/authorities/police
11. once/open/for/the/is/museum/the/tourists/again/nor
12. in/the cactus/very hot/grows/dry places
13. do not/leaves/have/they/but/spiny needles
14. flowers/and/bloom/some of them/cacti/at night/are big
15. absorb/from fog/water/in the air/cacti can
16. is/ plant/aloe vera/a/common/cactus
17. cactus/ a/ large/are/of/found/variety

MATHS
ASSIGNMENT
CLASS X
CHAPTER 1

REAL NUMBERS

Euclid division lemma

Given positive integers a and b , there exist unique integers q and r satisfying $a = bq + r$, where $0 \leq r < b$.

Here we call 'a' as dividend, 'b' as divisor, 'q' as quotient and 'r' as remainder.

• Dividend = (Divisor \times Quotient) + Remainder

If in Euclid's lemma $r = 0$ then b would be HCF of 'a' and 'b'.

QUESTIONS

1. Show that any positive even integer is of the form $4q$, or $4q + 2$, where q is some integer.
2. Show that any positive odd integer is of the form $4q + 1$, or $4q + 3$, where q is some integer.
3. Use Euclid's division lemma to show that the square of any positive integer is either of the form $3m$ or $3m + 1$ for some integer m .
4. Use Euclid's division lemma to show that the cube of any positive integer is of the form $9m$, $9m + 1$ or $9m + 8$.
5. Use Euclid's algorithm to find the HCF of 4052 and 12576.
6. Use Euclid's division algorithm to find the HCF of 135 and 225.
7. Use Euclid's division algorithm to find the HCF of 196 and 38220.
8. Use Euclid's division algorithm to find the HCF of 455 and 42.
9. Find the HCF of 65 and 117 and express it in the form $65m + 117n$.
10. If the HCF of 210 and 55 is expressible in the form of $210x + 55y$, find y .
11. Find the HCF and LCM of 6, 72 and 120, using the prime factorisation method.
12. Find the HCF of 96 and 404 by the prime factorisation method. Hence, find their LCM.
13. Find the LCM and HCF of the following pairs of integers and verify that $\text{LCM} \times \text{HCF} = \text{product of the two numbers}$: (i) 26 and 91 (ii) 336 and 54
14. Find the LCM and HCF of the following integers by applying the prime factorisation method: (i) 12, 15 and 21 (ii) 17, 23 and 29 (iii) 8, 9 and 25
15. Explain why $3 \times 5 \times 7 + 7$ is a composite number.
16. Can the number $6n$, n being a natural number, end with the digit 5? Give reasons
17. Prove that $\sqrt{2}$ is an irrational number.
18. Prove that $\sqrt{3}$ is an irrational number.
19. Prove that $\sqrt{2 + 5\sqrt{3}}$ is an irrational number.
20. Prove that $3 - 2\sqrt{5}$ is an irrational number.
21. If two positive integers p and q can be expressed as $p = ab^2$ and $q = a3b$; a, b being prime numbers, then find the LCM (p, q).
22. Find the largest number which divides 245 and 1029 leaving remainder 5 in each case.
23. Find the largest number which divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
24. Two tankers contain 850 litres and 680 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil of both the tankers when used an exact number of times.