

HomeWork Assignment

Class : X

Subject : English

ENGLISH ASSIGNMENTS FOR CLASS 10 (April-June)

Read the extract given below and answer the questions that follow:

Question 1.

With a loud scream he fell outwards and downward into space. Then a monstrous terror seized him and his heart stood still. He could hear nothing. But it only lasted a minute. The next moment he felt his wings spread outwards. The wind rushed against his breast feathers, then under his stomach and against his wings.

- How did the young seagull learn to fly ?
- How long did the young seagull's fear last ?
- Find the word from the passage which means the same as 'terrible'.
- Who fell outwards and downward into space ?

Question 2.

He waited a moment in surprise, wondering why she did not come nearer and then maddened by hunger, he dived at the fish. With a loud scream he fell outwards and downwards into space.

- Who waited in surprise for whom ?
- What did he think she would offer to him ?
- Which word in the passage means the same as 'cry as of fear' ?
- Who is referred as 'He' in the passage.

Question 3.

It was during the meal that, just as Lencho had predicted, big drops of rain began to fall. 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.

- What could be seen approaching in the North-East?
- Why did Lencho go out?
- Give an antonym of the word Big.
- Which word in the passage is a synonym of 'forecast'.

Question 4.

The moon was coming up in the east, behind me, and stars were shining in the clear sky above me. There wasn't a cloud in the sky. I was happy to be alone high up above the sleeping countryside. I was flying my old Dakota aeroplane over France back to England. I was dreaming of my holiday and looking forward to being with my family. I looked at my watch; one thirty in the morning I should call Paris Control soon,' I thought.

- What made the pilot happy?
- Which words indicate that the weather was fine ?
- What was the purpose behind calling Paris Control ?
- Which words means the same as 'aircraft' ?

Question 5.

The policy of apartheid created a deep and lasting wound in my country and my people. All of us will spend many years, if not generations, recovering from that profound hurt. But the decades of oppression and brutality had another, unintended effect and that was that it produced the Oliver Tambos, the Walter Sisulus, the Chief Luthulis, etc., men of such extraordinary courage, wisdom and generosity that their like may never be known again.

- Whom does 'my' refer to in the passage ?
- Name two persons of extraordinary courage, wisdom and generosity mentioned in the passage ?
- Trace a word from the passage which means the same as 'a period of ten years'.
- What created a lasting wound in Nelson's country ?

Question 6.

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 poet's opinion of the world in these lines? **[CBSE 2014]**
- (b) What is the poet's opinion about the world?
- (c) What is the contradictory opinion of public?
- (d) How are ice and fire similar to each other though they have contradictory traits?

Question 7.

However, during the third lesson he'd finally had enough. 'Anne Frank, as punishment for talking in class, write an essay entitled 'Quack, Quack, Quack, Said Mistress Chatterbox'.' The class roared. I had to laugh too, though I'd nearly exhausted my ingenuity on the topic of Chatterboxes. It was time to come up with something else, something original. My friend, Sanne, who's good at poetry, offered to help me write the essay from beginning to end in verse and I jumped for joy. Mr Keesing was trying to play a joke on me with this ridiculous subject, but I'd make sure the joke was on him.

- (a) Why did Mr Keesing her teacher ask her to write another essay?
- (b) Why did Anne want to write the essay with the help of her friend Sanne?
- (c) Find out the word which means 'deserving or inviting mockery'.
- (d) The word means the ability to invent things and solve problems in a clever and new way.

ANSWER THESE QUESTIONS IN YOUR OWN WORDS

Question. 8.

All parental acts are for the betterment of the children. Justify this statement by taking points from the lesson, 'The First Flight'.

Question 9.

"Humanity still exists", this is what we get to know after reading 'A letter to God' in which firm faith in God of a poor farmer and helpfulness of the post office employees are aptly depicted thought. Write a paragraph on the values in it, in about 80-100 words. Give the paragraph a suitable title.

Question 10.

According to the story "A Letter to God", write the character sketch of Lencho.

Question 11.

There have been times when you felt depressed or hopeless. Write your experience that what changed your mood that day and how? Take a reference from your chapter "Dust of Snow".

Question 12.

Why does Anne Frank think that 'paper' has more patience than 'people'?

Question 13.

Describe your views about Mr Keesing as a teacher.

GRAMMAR SECTION

The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number in your answers.

Question 14.

Vitamin tablets has been around forever, but antioxidants are the a)

the last miracle cure. Do they really work? b)

If the hype is true, then that the antioxidants do is c)

work for neutralise the free radicals in our bodies d)

and latter excrete them. Free radicals are atoms or molecules e)

that have at least one unpaired electron and is therefore f)

unstable and highly reactive. In animal tissue they are believing to accelerate the g)

progression of cardiovascular and age-related diseases as dementia and cancer. h)

Question 15.

The use for bottled supplements with your diet is a practice a)

that need to be discouraged. It is also essential to keep abreast b)

off new developments in research. Ironically those health-conscious individuals c)

who already eats large quantities of fresh fruit and vegetables, d)

who diet does not include junk food and who get plenty of regular e)

exercise and have least need for dietary supplements tend to be the ones f)

whom are most likely to use them. g)

Question 16

Study the given notes and complete the paragraphs that follow by filling up the gaps with the most appropriate words:

(i) Instructions for Driving a Scooter:

- Check if the vehicle is in neutral gear
- Kick to start the scooter
- Pull the clutch
- Change the gear to No. 1
- Pull the accelerator proportionately with letting the clutch loose
- As the scooter is in motion change the gear subsequently

For driving a scooter one should check if it is in neutral gear. It is **(a)**..... to start. The clutch is pulled. The gear is changed **(b)**..... number 1. After the scooter is set in motion, the gears are **(c)**..... subsequently.

(ii) Instructions for using a public call booth at Railway Platform:

- Hold the receiver to check the dial tone
- If it is in tone mode
- Dial the Telephone No. you need to call
- Insert a coin as required as soon as you get connected
- You can continue till the time fixed for the call
- Insert another coin if you need extra time

Hold the receiver **(a)**..... one hand to check the dial tone. Don't put the coin **(b)**..... it is in tone mode. After inserting a coin, dial the number **(c)**..... soon as you get connected.

(iii) Complete the following passage by appropriate word.

(a)..... Diwali night, children (b)..... in the government (c)..... BC Roy Children's Hospital were exposed to deafening sounds (d)..... residents of nearby multi-storey buildings burst crackers. The decibel (dB) level of crackers exceeded 90 dB. It was the (e)..... Diwali in Kolkata's recent memory. The sounds were (f) loud that needles-for giving saline drip to children (g) displaced, complained Tapan Halder whose son was admitted in the hospital (h)..... Jaundice.

Subject : Information Technology

Session -1 [Unit-2]

(A)FITB

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.

(B) Short-Question Answers

1. What is assistive technology?
2. What are different types of impairment that impact computer usage.
3. What is sticky keys?
4. What is toggle keys?
5. What is mouse keys?

Session -2 [Unit-2]

(A) FITB

1. The acronym for LAN is _____.
2. Three types of Wired Internet Connectivity are _____, _____ & _____.
3. Three types of Wireless Internet Connectivity are _____, _____ & _____.
4. _____ is a form of communication over the Internet that offers an instantaneous transmission of text-based messages from sender to receiver.
5. _____, _____ & _____ & Web Camera are required for audio and video conferencing.

(B) Short-Question Answers

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. What is the difference between Internet and WWW?

Session -3,4 [Unit-2]

1. What is Instant Messaging?
2. Write different web sites that support Instant Messagin?
3. List any five application based instant messaging software.
4. State any 03 rules and etiquettes to be followed while chatting on the Internet.
5. What are the basic needs to use instant messaging (chat) softwares.

Session -5,6 [Unit-2]

1. What is blog?
2. Who is blogger?
3. Name different websites that offer blog service for free?
4. Name different offline blog editors.
5. Write the steps to create blog in Qumana?
6. Write the steps to create a post in Qumana?

Session -7,8 [Unit-2]

1. What is online shopping?
2. What is internet security?
3. What are the best practices for network security?
4. What are the general guidelines for managing strong password?
5. Explain different kinds of online threats

Subject : Mathematics

Ch- Real numbers

1. Show that any positive integer is of the form of $3q$ or, $3q+1$ or, $3q+2$ for some integer q .
2. Show that one and only one out of n , $n+2$ or, $n+4$ is divisible by 3, where n is any positive integer.
3. Use Euclid's division algorithm to find the HCF of 4052 and 12576.
4. Find the largest number that divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
5. Prove that $\sqrt{2} + \sqrt{5}$ is irrational.
6. Show that $5 - 2\sqrt{3}$ is an irrational number.

Ch- Polynomial

1. Find the zeros of the polynomial $f(x) = 4\sqrt{3}x^2 + 5x - 2\sqrt{3}$, and verify the relationship between the zeros and its coefficients.

2. Find a quadratic polynomial, the sum and product of whose zeroes are $\sqrt{2}$ and $-3/2$ respectively. Also find its zeros.
3. If sum of the squares of zeros of the quadratic polynomial $f(x) = x^2 - 8x + k$ is 40, find the value of k .
4. Find all the zeros of the polynomial $(2x^4 - 11x^3 + 7x^2 + 13x - 7)$, it being given that two of its zeros are $(3 + \sqrt{2})$ and $(3 - \sqrt{2})$.
5. If α and β are the zeros of the polynomial $f(x) = 6x^2 + x - 2$ find the value of $(\alpha/\beta + \beta/\alpha)$.

Ch- Linear equation in two variables

1. Solve the following system of linear equation graphically:

$$3x + y - 11 = 0, x - y - 1 = 0.$$

shade the region bounded by these lines and the y-axis. Find the coordinates of the points where the graph lines cut the y axis.

2. Solve for x and y , using substitution method:

$$2x + y = 7, 4x - 3y + 1 = 0.$$

3. Solve for x and y :

$$152x - 378y = -74, -378x + 152y = -604.$$

4. Solve for x and y

$$x + y = a + b, ax - by = a^2 - b^2$$

5. Find the value of k for which the given system of equations has infinitely many solutions:

$$kx + 3y = k - 3, 12x + ky = k.$$

6. The sum of two numbers is 1000 and the difference between their squares is 256000 find the numbers.
7. Seven times a two digit number is equal to four times the number obtained by reversing the order of its digits. If the difference between the digits is 3, find the number.
8. The sum of two numbers is 16 and the sum of their reciprocals is $1/3$. Find the numbers.
9. The sum of the areas of two squares is 640 metre square. If the difference of their perimeter is 64m, find the sides of the two squares.
10. A boat goes 16 km upstream and 24 km downstream in 6 hours also it covers 12 kilometre upstream and 36 km downstream in the same time. Find the speed of the boat in still water and that of the stream.

Ch- Trigonometry

1. If $\sec A = 5/4$, show that $(2\cos A - \sin A) / (\cot A - \tan A) = 12/7$
2. In ΔABC , if angle $B = 90^\circ$, $BC = 7\text{cm}$ and $(AC - AB) = 1\text{cm}$ then find the value of $(\cos A - \sin A)$.
3. Is $\sin(A - B) = 1/2$, $\cos(A + B) = 1/2$, $0^\circ < A + B$ is less than 90° , $A > B$. find A and B .
4. Evaluate : $2\cos^2 60^\circ + 3\sin^2 45^\circ - 3\sin^2 30^\circ + 2\cos^2 90^\circ$.
5. If $\sin 2A = \cos(A - 30^\circ)$, where $2A$ is an acute angle then find the value of A .
6. If A, B, C are the angles of a ΔABC then prove that: $\tan(C + A/2) = \cot B/2$.
7. Without using trigonometric tables find the value of:
 $3\cot 31^\circ \tan 15^\circ \cot 27^\circ \tan 75^\circ \cot 63^\circ \cot 59^\circ$.
8. Prove that:
 $(\sin A - \cos A + 1) / (\sin A + \cos A + 1) = (\tan A - 1 + \sec A) / (\tan A + 1 - \sec A)$
9. Prove that : $\sec A(1 - \sin A)(\sec A + \tan A) = 1$
10. without using trigonometric tables find the value of the expression given below. $\sin(50^\circ + A) - \cos(40^\circ - A) + \tan 1^\circ \tan 10^\circ \tan 20^\circ \tan 70^\circ \tan 80^\circ \tan 89^\circ$

NOTE: 1. Revise the sums of above mentioned chapters from NCERT Book.

2. Learn all the formula of ch- Real numbers, Polynomial, Linear equation in two variables and Trigonometry.

Subject : Chemistry

- Q1. Write any two observations in an activity which may suggest that a chemical reaction has taken place. Give an example in support of your answers?
- Q2. What is a redox reaction? When a magnesium ribbon burns in air with a dazzling flame and forms a white ash, is magnesium oxidized or reduced? Why?
- Q3. What happens when sodium chloride solution reacts with silver nitrate solution? Name the two types of reaction to which does it belong?
- Q4. Discuss the importance of decomposition reaction in metal industries with three points?
- Q5. Why does the colour of copper sulphate solution change when an iron nail is dipped in it?

Write two observations.

Q6. What is rancidity? Mention any two ways by which rancidity can be prevented?

Q7. State the types of chemical reaction with chemical equations that take place in the following.

- i. Magnesium wire is burns in air.
- ii. Electric current is passed through water.
- iii. Ammonia and hcl gas are mixed.

Q8. Write one equation each for decomposition reaction where energy is supplied in the form of heat, light and electricity?

Q9. What happened when a piece of. i. Zinc metal is added to copper sulphate solution?

ii. Aluminium metal is added to dilute hydrochloric acid?

iii. Silver metal is added to copper sulphate solution?

Q10. You are provided with two containers made up of copper and aluminum. You are also provide it with solutions of dilute hydrochloric acid, dilute nitric acids, Zinc chloride and water.

In which of the above containers these solution can be kept?

Q11. Write all NCERT. In text Questions and Answers. and Exercises Questions and Answers

both. Ch-1.

Q-11. Write three physical properties each of acids and bases?

Q-12. How will you show with an example that metal oxide are basic in nature? Give chemical equation also?

Q-13. What is meant by amphoteric oxides? Give examples?

Q14. When electricity is passed through an aqueous solution of sodium chloride, 3 products are obtained. Why is the process called Chloro alkali process?

Q15. Tooth enamel is one of the hardest substance in our body. how does it undergo damage due to the eating of chocolates and sweet.? What should we do to prevent it?

Q16. A metal Carbonate X on heating with an acid gives a gas which when passed through a solution Y gives the Carbonate back. On the other hand, a gas G that is obtained at anode during electrolysis of brine is passed on dry Y, it gives a compound Z, used for disinfecting drinking water. Identify X, Y, G and Z?

Q17. Give reason why solution of sulphuric acid conduct electricity where are alcohol does not?

Q18. State in brief the method of preparation of bleaching powder also write a balanced chemical equation for the reaction involved and state the use of bleaching powder?

Q19. Among sulphurous acid and sulphuric acid, which is stronger and why?

Q20. Write the importance of ph in everyday life?

Q21. What is Neutralisation reaction give example?

Q22. Why do not acids show acidic behaviour in the absence of water?

Q23. Give two important uses of washing soda and baking soda?

Q24. What is mean by water of crystallisation? give examples?

Q25. What is ph scale?

Q26. Write all NCERT. In text Questions and Answers and

Exercise Questions and Answers of ch - 2.

Write in brief

1. Explain:
 - a) Why growth of nationalism in the colonies is linked to an anti-colonial movement.
 - b) How the First World War helped in the growth of the National Movement in India.
 - c) Why Indians were outraged by the Rowlatt Act.
 - d) Why Gandhiji decided to withdraw the Non-Cooperation Movement.
2. What is meant by the idea of satyagraha?
3. Write a newspaper report on:
 - a) The Jallianwala Bagh massacre
 - b) The Simon Commission
4. Compare the images of Bharat Mata in this chapter with the image of Germania in Chapter 1.

Discuss

1. List all the different social groups which joined the Non-Cooperation Movement of 1921. Then choose any three and write about their hopes and struggles to show why they joined the movement.
2. Discuss the Salt March to make clear why it was an effective symbol of resistance against colonialism.
3. Imagine you are a woman participating in the Civil Disobedience Movement. Explain what the experience meant to your life.
4. Why did political leaders differ sharply over the question of separate electorates?

10. Examine the following pairs that give the level of government in India and the powers of the government at that level to make laws on the subjects mentioned against each. Which of the following pairs is not correctly matched?

(a) State government	State List
(b) Central government	Union List
(c) Central and State governments	Concurrent List
(d) Local governments	Residuary powers

11. Match List I with List II and select the correct answer using the codes given below the lists:

List I	List II
1. Union of India	A. Prime Minister
2. State	B. Sarpanch
3. Municipal Corporation	C. Governor
4. Gram Panchayat	D. Mayor

	1	2	3	4
(a)	D	A	B	C
(b)	B	C	D	A
(c)	A	C	D	B
(d)	C	D	A	B

12. Consider the following two statements.

- A. In a federation the powers of the federal and provincial governments are clearly demarcated.
- B. India is a federation because the powers of the Union and State Governments are specified in the Constitution and they have exclusive jurisdiction on their respective subjects.
- C. Sri Lanka is a federation because the country is divided into provinces.
- D. India is no longer a federation because some powers of the States have been devolved to the local government bodies.

Which of the statements given above are correct?

- (a) A, B and C (b) A, C and D (c) A and B only (d) B and C only

8. Match List I (forms of power sharing) with List II (forms of government) and select the correct answer using the codes given below in the lists:

	List I	List II
1.	Power shared among different organs of government	A. Community government
2.	Power shared among governments at different levels	B. Separation of powers
3.	Power shared by different social groups	C. Coalition government
4.	Power shared by two or more political parties	D. Federal government

	1	2	3	4
(a)	D	A	B	C
(b)	B	C	D	A
(c)	B	D	A	C
(d)	C	D	A	B

9. Consider the following two statements on power sharing and select the answer using the codes given below:
- A. Power sharing is good for democracy.
 B. It helps to reduce the possibility of conflict between social groups.

Which of these statements are true and false?

(a) A is true but B is false
(b) Both A and B are true
(c) Both A and B are false
(d) A is false but B is true

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	1	2	3	4
(a)	D	A	B	C
(b)	B	C	D	A
(c)	B	D	A	C
(d)	C	D	A	B

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1. Locate the following States on a blank outline political map of India: Manipur, Sikkim, Chhattisgarh and Goa.
2. Identify and shade three federal countries (other than India) on a blank outline political map of the world.
3. Point out one feature in the practice of federalism in India that is similar to and one feature that is different from that of Belgium.
4. What is the main difference between a federal form of government and a unitary one? Explain with an example.
5. State any two differences between the local government before and after the Constitutional amendment in 1992.

6. Fill in the blanks:

Since the United States is a _____ type of federation, all the constituent States have equal powers and States are _____ vis-à-vis the federal government. But India is a _____ type of federation and some States have more power than others. In India, the _____ government has more powers.

7. Here are three reactions to the language policy followed in India. Give an argument and an example to support any of these positions.

Sangeeta: The policy of accommodation has strengthened national unity.

Arman: Language-based States have divided us by making everyone conscious of their language.

Harish: This policy has only helped to consolidate the dominance of English over all other languages.

8. The distinguishing feature of a federal government is:
 - (a) National government gives some powers to the provincial governments.
 - (b) Power is distributed among the legislature, executive and judiciary.
 - (c) Elected officials exercise supreme power in the government.
 - (d) Governmental power is divided between different levels of government.

9. A few subjects in various Lists of the Indian Constitution are given here. Group them under the Union, State and Concurrent Lists as provided in the table below.

A. Defence; B. Police; C. Agriculture; D. Education;
E. Banking; F. Forests; G. Communications; H. Trade; I. Marriages

Union List	
State List	
Concurrent List	

5. Read the following passage and pick out any one of the prudential reasons for power sharing offered in this.

"We need to give more power to the panchayats to realise the dream of Mahatma Gandhi and the hopes of the makers of our Constitution. Panchayati Raj establishes true democracy. It restores power to the only place where power belongs in a democracy – in the hands of the people. Giving power to Panchayats is also a way to reduce corruption and increase administrative efficiency. When people participate in the planning and implementation of developmental schemes, they would naturally exercise greater control over these schemes. This would eliminate the corrupt middlemen. Thus, Panchayati Raj will strengthen the foundations of our democracy."

6. Different arguments are usually put forth in favour of and against power sharing. Identify those which are in favour of power sharing and select the answer using the codes given below? Power sharing:
- A. reduces conflict among different communities
 - B. decreases the possibility of arbitrariness
 - C. delays decision making process
 - D. accommodates diversities
 - E. increases instability and divisiveness
 - F. promotes people's participation in government
 - G. undermines the unity of a country

(a)	A	B	D	F
(b)	A	C	E	F
(c)	A	B	D	G
(d)	B	C	D	G

7. Consider the following statements about power sharing arrangements in Belgium and Sri Lanka.
- A. In Belgium, the Dutch-speaking majority people tried to impose their domination on the minority French-speaking community.
 - B. In Sri Lanka, the policies of the government sought to ensure the dominance of the Sinhala-speaking majority.
 - C. The Tamils in Sri Lanka demanded a federal arrangement of power sharing to protect their culture, language and equality of opportunity in education and jobs.
 - D. The transformation of Belgium from unitary government to a federal one prevented a possible division of the country on linguistic lines.

Which of the statements given above are correct?

- (a) A, B, C and D (b) A, B and D (c) C and D (d) B, C and D

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1. What are the different forms of power sharing in modern democracies? Give an example of each of these.
 2. State one prudential reason and one moral reason for power sharing with an example from the Indian context.
 3. After reading this chapter, three students drew different conclusions. Which of these do you agree with and why? Give your reasons in about 50 words.

Thomman - Power sharing is necessary only in societies which have religious, linguistic or ethnic divisions.

Mathayi - Power sharing is suitable only for big countries that have regional divisions.

Ouseph - Every society needs some form of power sharing even if it is small or does not have social divisions.

4. The Mayor of Merchtem, a town near Brussels in Belgium, has defended a ban on speaking French in the town's schools. He said that the ban would help all non-Dutch speakers integrate in this Flemish town. Do you think that this measure is in keeping with the spirit of Belgium's power sharing arrangements? Give your reasons in about 50 words.



CLASS - 10

SANSKRIT ASSIGNMENT

Month of APRIL - 2020

1) व्यंजन सन्धि

सन्धि तथा संधि विच्छेद करें -

- | | |
|--------------------|-------------------|
| 1) वाक् + ईशः = | 11) जगत् + ईशः |
| 2) अच् + आदिः = | 12) सन्निधानम् |
| 3) षट् + दर्शनम् = | 13) बलादिव |
| 4) सत् + आचारः = | 14) भगवद्विन्तनम् |
| 5) अप् + जः = | 15) दिगम्बरः |
| 6) षट् + मासः = | 16) सन्नायिका |
| 7) तत् + मै = | 17) वाङ्मयम् |
| 8) तत् + नाम = | 18) वाग्दानम् |
| 9) सत् + नायिका = | 19) षडाननः |
| 10) षट् + नाम = | 20) वाग्देवी |

2) गद्यांश 1, 2, 3 के प्रश्नोत्तरों को करें। (व्याकरण-पुस्तक से)

Month of MAY - 2020

- 1) पत्रलेखनमें 1, 2, 3, 4, 5 तक रिक्त स्थानों की पूर्ति करें। (व्याकरण पुस्तक से)
- 2) निम्नलिखित वाक्यों को संस्कृत में अनुवाद करें -
- 1) सदा सत्य बोलना चाहिए।
 - 2) बड़ों का सम्मान करना चाहिए।
 - 3) सरस्वती ज्ञान की देवी हैं।

- 4) संस्कृत सभी भाषाओं में सरल है।
- 5) मानवजीवन सर्वोत्तम जीवन है।
- 6) गाँव के चारों ओर वृक्ष हैं।
- 7) बाग में सुन्दर फूल हैं।
- 8) परिश्रम का फल सुखद होता है।
- 9) सदा सत्य बोलो।
- 10) हमारा राष्ट्रध्वज तिरंगा है।
- 11) वे कौनो खेल रहे हैं।
- 12) हम कौनो पुस्तकालय जा रहे हैं।
- 13) पुस्तकालय पुस्तकों का घर होता है।
- 14) मैं भी तुम्हारे साथ चलूँगा।
- 15) मेरी माँ बहुत अच्छी है।

Month of June - 2020

विसर्ग सन्धि -

1) सन्धि तथा सन्धि विच्छेद करें -

1) बालः + अयम् =

9) नमः + कारः =

2) प्रथमः + अध्यायः =

10) नमः + तुभ्यम् =

3) श्वः + अस्ति

11) शक्रोऽवदत्

4) निः + बलः

12) सोऽपि

5) हरिः + अस्ति

13) शमोऽवदत्

6) अतः + श्व

14) शौवदति

7) रामः + आनन्दः

15) गुरुर्मति

8) कः + चित्

16) नम्रास्तरवः

17) मनोरथाः

21) वधूरिव

18) मतिरयम्

22) हाणिस्ततः

19) तथाद्योऽपि

23) तिरस्कारः

20) शानुकदैति

24) पुत्रगोऽप्यायः

2) व्याकरण पुस्तक से गद्यांश नं० ५, ६ को करें।

Subject : Physics

Chapter : Light

- Define the following terms for spherical mirror:
 - Center of Curvature and Radius of Curvature
 - Pole
 - Principal axis
 - Aperture
 - Focus and Focal length
- Define Principal focus with suitable ray diagram for concave and convex mirror.
- An object 5.0 cm in length is placed at a distance of 20 cm in front of a convex mirror of radius of curvature 30 cm. Find the position of the image, its nature and size.
- An object of size 7.0 cm is placed at 27 cm in front of a concave mirror of focal length 18 cm. At what distance from the mirror should a screen be placed, so that a sharp focussed image can be obtained? Find the size and the nature of the image.

5. Write three uses of convex and concave mirror.
 6. A doctor has prescribed a corrective lens of power +1.5 D. Find the focal length of the lens. Is the prescribed lens diverging or converging?
 7. What is Normal shift? With the help of suitable diagram explain real and apparent depth of an object when it is inside the water.
 8. Draw a suitable ray diagram for refraction through rectangular glass slab. Hence define lateral shift or lateral displacement.
 9. List four characteristics of the images formed by plane mirrors.
 10. A convex lens forms a real and inverted image of a needle at a distance of 50 cm from it. Where is the needle placed in front of the convex lens if the image is equal to the size of the object? Also, find the power of the lens.
-

Subject : Economics

Q1. What is development?

Q2. What are the two notions of development?

Q3 Define: a) BMI b) HDR

Q4. How public facilities are related to development?

Q5. Classify the following list of occupations under primary, secondary and tertiary sectors.

- | | |
|--------------------|--------------------------|
| -Tailor | -worker in match factory |
| -Basket weaver | -money lender |
| -Flower cultivator | -Gardener |
| -Fisherman | - Potter |
| -Priest | -Bee keeper |
| -Courier | -Astronaut |
| -Milk vendor | -Call centre employee |

Q6. Solve NCERT questions answers set (chapter 1).

Q7. Project: Sectors of Economy- Interdependence of sectors.

Subject : Biology

Chapter : LIFE PROCESS

Short Answer Type Questions:

1. Name the following-

- a) The process in plants that links light energy with chemical energy.
- b) Organisms that can prepare their own food.
- c) The cell organelles where photosynthesis occurs.
- d) Cells that surround stomatal pore.
- e) Organism that cannot prepare their own food.
- f) An enzyme secreted from gastric gland in stomach that acts on proteins.

2. "All plants give out oxygen during day and carbon dioxide during night". Do you agree with the statement? Give reason.

3. How do the guard cell regulate opening and closing of stomatal pores?

4. Two green plants are kept separately in oxygen free containers, one in the dark and the other in continuous light. Which one will live longer? Give reasons.

5. If a plant is releasing carbon dioxide and taking in oxygen during the day does it mean that there is no photosynthesis according? Justify your answer.

6. Why do fishes die when taken out of water?
7. Differentiate between an autotroph or heterotroph.
8. Is 'nutrition' a necessity for an organism? Discuss.
9. What would happen if green plants disappear from Earth?
10. leaves of a healthy potted plant were coated with Vaseline fullstop will this plant remain healthy for long? Give reason for your answer.
11. How does aerobic respiration differ from anaerobic respiration?
12. Differentiate between renal artery and renal vein.
13. What are the adaptation of leaf for photosynthesis?
14. Why is small intestine in herbivores longer than in carnivores?
15. why is rate of breathing in aquatic organism much faster than in terrestrial organism?
16. Why is blood circulation in human heart called double circulation?
17. What is the advantages of having four chambered heart?
18. why does absorption of digested food occur mainly in small intestine?
19. Why do veins have thin walls as compared to arteries?
20. Why is transpiration important for plants?

Long Answer Type Questions:

1. Draw a labelled diagram of human urinary system and label in it.
(a) kidney (b) ureter. (c) urinary bladder. (d) urethra
2. Describe in detail with the help of diagram the alimentary canal of man.
3. Explain the process of breathing in humans.
4. Explain the importance of soil for plant growth.
5. Answer the following question-
 - Name the blood vessel that brings oxygenated blood to the human heart
 - which chamber of human heart receives oxygenated blood?
 - Explain how oxygenated blood from this number is send to all parts of the body.
6. what is the difference between excretion and defecation? Explain the process of excretion in humans.
7. Explain the methods used by plants to get rid of excretory products?

Chapter :CONTROL AND COORDINATION

Answer the following questions:

1. How does chemical coordination occur in plants?
 2. What is plant hormone? give two example.
 3. How does phototropism occur in plants? Explain with the help of diagram.
 4. Name different types of plant hormone and write it's one function.
-

Subject : Geography

APRIL AND MAY 2020

1. Define resources. Why are resources necessary for human beings?
2. What is Resource Planning? Why is it essential?
3. Why is there a need of conserving our resources?
4. How is Land a natural resource of utmost importance?
5. What are the reasons behind land degradation?
6. Suggest some ways to solve the problem of land degradation.
7. Give some importance of soil. Explain any 3 factors responsible for soil formation.
8. What is soil erosion? Mention 2 main causes of it.
9. What steps can be taken to control soil erosion in hilly areas?
10. Make one project on the topic 'Classification of Soils' in a stick file. The project must include-
 - a. Properties of Soil.
 - b. Regions where they are found.
 - c. Crops grown in that type of Soil.

JUNE 2020

1. Describe the main features of Indian agriculture.
2. Write a short note on primitive subsistence farming.
3. What do you know about Commercial farming? Give some examples
4. 'The Plantation has an interface of agriculture and industry'. Explain.
5. What are the 3 cropping patterns in India? Explain them in brief.
6. Name 2 staple crops of India. Describe 4 characteristics of each.
7. Write 2 differences between intensive and extensive farming.
8. The land under cultivation has been reduced day by day. Can you imagine its consequences?
9. State some main geographical conditions required for tea cultivation.
10. What is the importance of agriculture in the Indian economy?
11. On a political map of India mark-
 - a. Major rice growing areas
 - b. Major wheat growing areas.
 - c. Major maize growing areas.
12. On a political map of India mark-
 - a. Major tea growing areas.
 - b. Major coffee growing areas.
13. On a political map of India mark-
 - a. Major cotton growing areas.
 - b. Major jute growing areas.
 - c. Major rubber growing areas.

Std – X

1. 'नेताजी का चश्मा' कहानी के माध्यम से लेखक क्या संदेश देना चाहता है।
2. मूर्तिकार के द्वारा 'मूर्ति बना कर पटक देने' के पीछे क्या भाव निहित है ?
3. ऐसा क्यों कहा गया कि महत्व मूर्ति के रंग-रूप या कद का नहीं, उस भावना का है ? 'नेता जी का चश्मा' पाठ के आधार पर बताइए।
4. हालदार साहब को पान वाले की कौन सी बात अच्छी नहीं लगी और क्यों ?
5. हालदार साहब चौराहे पर क्यों नहीं रुकना चाहते थे।
6. हालदार साहब और कैप्टेन के चरित्र की दो विशेषताओं का उल्लेख कीजिए।
7. 'तेल की गागर' के दृष्टांत के माध्यम से कवि क्या भाव प्रकट करना चाहता है ?
8. दूसरों को नीति की सीख देने वाले कृष्ण स्वयं अनीति का आचरण कने लगे। गोपियों ने ऐसा क्यों कहा?

(I) सरल वाक्यों को संयुक्त वाक्या में बदलिए:—

- (i) आप खाकर आराम करे।
- (ii) सूर्यास्त होने पर अंधकार छा गया।
- (iii) वह भोजन करके विद्यालय जाता है।
- (iv) बादल घिरकर भी न बरसे।
- (v) वह फल खरीदने के लिए बाजार गया।
- (vi) रोहन कक्षा में रहकर भी न पढ़ा।
- (vii) रोहन बीमार होने के कारण घूमने नहीं गया।
- (viii) निर्धन लूटकर उसकी हत्या कर दी।
- (ix) कठोर बनकर भी सहदय रहो।
- (x) निर्धन होने पर भी वह इमानदार है।

(II) सरल वाक्यों को मिश्रित वाक्य में बदलो :—

- (i) अच्छे लड़के मेहनती होते हैं।
- (ii) छतरी वाले आदमी को बुलाओ।
- (iii) वह कपड़े खरीदने के लिए बाजार गया।
- (iv) प्रधानाचार्य के आते ही प्रार्थना शुरू हो गई।
- (v) सरस कवि सबका आदर करते हैं।

(III) मिश्रित वाक्य से संयुक्त वाक्य बनाइए —

- (i) यदि आप घर आएँ तो आपसे बात हो।
- (ii) जब विद्यालय में पढ़ाई बंद हो गई, तब हम घर लौट आए।
- (iii) मेरे पिताजी वे हैं जो कुरसी पर बैठे हैं ?
- (iv) जब वर्षा शुरू हुई, तब मोहन आ गया।
- (v) जैसे ही शेर दिखाई दिया, वैसे ही लोग डर गए।

(IV) मिश्रित वाक्य से सरल वाक्य बनाइए –

- (i) जब वर्षा होती है, तब मोर नाचने लगते हैं।
- (ii) जिनकी आय कम है, उन्हें मितव्ययी होना चाहिए।
- (iii) जब मुसीबत आए तो साहस बनाए रखना।
- (iv) राम ने कहा कि वह निर्दोष है।
- (v) जब शिक्षक कक्षा में आए, तब उन्होंने पढ़ाना शुरू किया।

(V) निम्नलिखित विज्ञापन अपनी कक्षा-कार्य कॉपी में बनाइए:-

- (i) आपकी पुरानी साइकिल छोटी पड़ रही है। उसे बेचने के लिए आकर्षक विज्ञापन 25-50 शब्दों में तैयार कीजिए।
- (ii) 'मोहित बैग' बनाने वाली कंपनी के लिए एक विज्ञापन तैयार कीजिए।
- (iii) मोबाइल फोन बनाने वाली कंपनी के लिए विज्ञापन तैयार कीजिए।
- (iv) 'बचपन' प्ले स्कूल में प्री प्राइमरी से पाँचवी तक के दाखिले शुरू हो गए हैं। इस स्कूल के लिए विज्ञापन तैयार कीजिए।

Note – Do this work in Hindi Note Book.