Class - X
Subject – English

1. Letter to the editor:
   You are a resident of The Star Apartments, Pitampura, New Delhi. Your residential area is flooded with road side dwellers are deprived of the basic civic amenities like street lights, public toilets and bathrooms. Write a letter to the editor of The Hindu, highlighting the problems of these road side dwellers , and also the problems posed by them to the public. Give suggestions for improvement.

2. In the following passage one word has been omitted in each line. Write the missing word along with the word that comes before and the word that comes after it in the space provided:

	BEFORE	ANSWER	AFTER
Advertising a close companion of the market,	Advertising	is	a
yet is an unpleasant	a)........................	....	....
feature the modern life. Not only do ads	b)	....	....
cost heavily one's pocket, the cost	c)	....	....
heavily to one's life. Not long before, innocent	d)........................	....	....

3. Write a story in 150 - 200 words with the following input and give a suitable title to it.

> Rahul was alone - the phone rang - no response from the other side - if his father was at home - - caller refused to identify - line was disconnected - door bell rang - scared and quickly ran towards the phone - other man from the neighbourhood - dog held his leg with its teeth - tried to run away but was over powered by all - police reached

4. Fill in the blanks with the correct form of the verb given in the brackets :
   The Ministry of Renewable Energy ……………………(ask) all the union ministries and public sector units to …………………..(adopt) solar energy. So far the ministry ………………… (receive) an encouraging response. India already has a focused solar mission ,which …………… (launch) in January,2021 and …………………… (set)

5. Answer the following questions:
   a) Why was Lencho angry? What did he do?
   b) Who did lencho write a letter and why?
   c) What 'twin obigation'does Mandela mention?
   d) How does Mandela`s hunger for freedom change his life?
   e) How does Dr.Herriot treat Tricki?
   f) Draw the character sketch of Mrs. Pumphrey.

6. Rearrange the following words / phrases to form meaningful sentences.
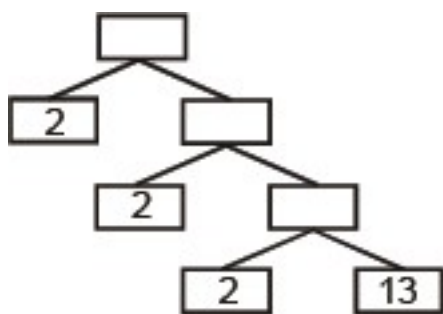
   (a) the body / fasting / removes / from / also / poison

(b) four hours / the fast / liquids / during / every / take

(c) the fast / grapes / is recommended / and oranges / during / juice of lemon

(d) the leisure hours / of a child / of the TV / today / are spent / in front

Class - X
Subject – Maths

Find the HCF of 52 and 117 and express it in form 52x + 117y.
2. Prove that $x^2 - x$ is divisible by 2 for all positive integer x.
3. If m and n are odd positive integers, then $m^2 + n^2$ is even, but not divisible by 4. Justify.
4. If HCF (6, a) = 2 and LCM (6, a) = 60, then find a.

5. If remainder of   is a natural number, then find it.
6. If n is any prime number and a^2 is divisible by n, then n will also divide a. Justify.
7. Find the missing numbers in prime factors tree.

8. Find the greatest number of 5 digits exactly divisible by 12, 15 and 36.
9. Find the smallest number which when increased by 20 is exactly divisible by 90 and 144.
10. Find the smallest number which leaves remainder 8 and 12 when divided by 28 and 32 respectively.
11. Floor of a room is to be fitted with square marble tiles of the largest possible size. The size of the room is 10 m × 7 m. What should be the size of tiles required that has to be cut and how many such tiles are required?
12. If the HCF of 408 and 1032 is expressible in the form 1032p – 408 × 5 find p.

Class - X   Weekly Assignment 2020
Subject – Physics

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1. The displacement of a moving object in a given time interval is zero. What the distance travelled by the object also be zero. Justify your answer.
2. Define average speed and its unit.
3. What will be the equation of motion of an object moving with a uniform velocity changes?
4. A particle is moving in a circular path of radius(r). What would be the displacement after half a circle?
5. Differentiate between distance and displacement.
6. What are the uses of distance time graph?
7. How will you show that the slope of displacement time graph gives velocity of the body?
8. Derive the expression for equation of motion by graphical method.
9. Distinguish between speed and velocity.
10. What does the odometer of an automobile measure?
11. What is the nature of the distance time graph for uniform and non uniform motion of an object.
12. Obtain a relation for the distance travelled by an object moving with a uniform acceleration in the interval 4th and 5th seconds.
13. (a) what do you understand by instantaneous velocity? (b) what is negative acceleration?
14. Express average velocity when the velocity of a body changes at non-uniform rate and a uniform rate.
15. Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.

Chapter:Life processes (Nutrition)

Main points:

☆**Life Processes: The basic functions performed by living organisms to maintain their life on this earth are called life processes.**

☆ **Basic life processes common to all the living organisms are: (I) nutrition (II) respiration**

(III) transport (IV)excretion (V)control and coordination (response to stimuli) (VI) growth (VII)movement and(VIII) reproduction.

☆**Nutrition: Nutrition is a process of intake and utilisation of nutrients like carbohydrates, fats, proteins, minerals, vitamins and water.**

☆**Nutrient: Nutrients are organic and inorganic substances which are essential for growth and energy for various metabolic activities.**

☆ **carbohydrates and fats: energy giving nutrients**

Proteins: body building and for repairing of cells and tissues

vitamins and minerals: protective nutrients, help in synthesis of enzymes and hormones.

☆ **Balanced diet: The diet which contain all the nutrients in right and sufficient amount is called balanced diet.**

☆**Importance of food (I) as a source of energy (II) to supply raw materials for repair and growth**

(III) to fight against disease causing microorganisms.

☆ **Modes of Nutrition:(I) Autotrophic nutrition and (II) Heterotrophic nutrition.**

☆ **Autotrophic nutrition: Auto means self and trophe means nutrition.**

☆ **Autotrophic nutrition: Autotrophic nutrition is that mode of nutrition in which an organism makes or synthesizes its own food from the simple inorganic materials like carbon dioxide and water present in the surrounding with the help of Sunlight energy.**

☆ **The green plants have autotrophic mode of nutrition. The autotrophic bacteria also obtain their food by the autotrophic mode of nutrition.**

☆ **Heterotrophic nutrition : Heteros means others and trophe means nutrition.**

☆ **Heterotrophic nutrition: Heterotrophic nutrition is that mode of nutrition in which an organism cannot make or synthesizes its own food from simple inorganic materials like carbon dioxide and water and depends on other organisms for its food .**

☆**All animals have a heterotrophic mode of nutrition most bacteria and fungi have also heterotrophic mode of nutrition.**

☆**Types of heterotrophic Nutrition: 1.saprophytic /saprotrophic nutrition 2.parasitic nutrition and 3.holozoic nutrition**

☆ **saprotrophic or saprophytic nutrition:sapro means rotten decaying and trophe means nutrition ☆saprotrophic nutrition is that mode of heterotrophic nutrition in which an organism obtains its food from dead rotten and decaying organic matter of dead plants and animals and rotton breeds etc. Examples – Moulds, mushroom, Yeast, fungi and bacteria are saprophytes.**

☆ **Parasitic nutrition: The parasitic nutrition is that nutrition in which an organism derives its food from the body of another living organism called its host.**

☆ Those organisms which live in or on the body of other living organism or host and obtain nutrition from them are called parasite.

Example: several fungi, bacteria, plant like cuscuta (Amarbel), animal like plasmodium and roundworms.

☆ Host: Those living organisms which provide nutrition and shelter to the parasite are called host. Man, dog and cattle are host for roundworm parasite.

☆ Types of parasites:

(I) Total parasites: They get their food from the host plants and do not possesses chlorophyll.

cuscuta reflexa in plants. Ascaris roundworms

(II) Partial parasites: Partial parasites in plants manufacture their own food with the help of chlorophyll present in their cells, but suck water and Minerals from the body of host.

viscum album and Lorenthus album grow on stem of Mango and Dalbergia.

NOTE:[Write main points in Big size science copy and Learn]

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Class - X   **Weekly Assignment 2020**

Subject – Hist./Civics
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Every student has to compulsorily undertake any one project on the following topics:

1. Consumer Awareness
The students must write about following key matter:
a. Enactment of COPRA 1986 and its benefits
b. Various Consumer Rights
c. Role of WTO in protection of Consumers
OR
2. Social Issues
The students must write about following key matter:
a. Social issues in Indian Society
b. Reforms initiated to combat the social issues
c. Role of Popular leaders and movements.
OR
3. Sustainable Development
The students must write about following key matter:
a. Need of development.
b. Importance of development
c. Policies initiated to adopt measures for Sustainable Growth

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Class - X   **Weekly Assignment 2020**

Subject – Geography
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1. When and where was the first International Earth Summit held?
2. Differentiate between net sown area and gross cropped area.

3. Differentiate between Bangar and Khadar.
4. What is contour ploughing?
5. In which regions are black soils found?
6. In which regions are laterite soils found?
7. Differentiate between National and international resources.
8. Differentiate between private and community resources with example.
9. Which factors determine the use of land?
10. What are the main relief features of India?
11. What do you mean by shelterbelts?
12. Explain the interdependent relationship between nature, technology and institutions.

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Class - X   **Weekly Assignment 2020**

Subject – V. I.T.

Q. 1. Frame 2 questions by using following words-

a. May   b. Shall   c. Where   d. Which   e. Who   f. Is

g. Am   h. How   i. Are   j. What   k. Does   l. Could

Q. 2. Choose the correct quantifiers to fill in the blanks –

a. _____ people may value money but I value love more. (Some, Little)

b. I believe _____ things in this life are as priceless as a true friend. (none, few)

c. A _____ kindness can do a lot for those who need it. (little, few)

d. There are _____ things that we don't need in life but we still go after. (much, many)

e. _____ people make the mistake of thinking only wealth can bring happiness. (A lot of, Much)

f. _____ (Any, few) of us are ready to say "Sorry" but _____ of us always demand it from others.
                                                                                                                (Many, Much)

g. Sharing a laugh with friends is a _____ better way of dealing with sadness than crying. (Little, Much)

Q. 3. Write the full form for the following –

a. OLE   b. HTML   c. HTTP   d. ARPANET   e. DPI   f. USB

g. DVD   h. SMPS   i. OS   j. WAN   k. WWW

Q. 4. Write difference between –

a. RAM and ROM
b. Web Site and Web Page
c. Copy file and Move file
d. Word Processor and Spreadsheet
e. Undo and Redo.

Q. 5. Define –

a. Intranet   b. Protocol   c. URL   d. Web Browser

Q. 6. Write answers in brief –

a. What is Word Processor ? Explain its features.

b. What do you mean by OLE. Explain by an example.

c. What is alignment ? Explain different types of alignment in Word Processor.

d. What is indentation ? Explain different types of indentation in Word Processor.

e. What do you mean by page orientation ? What are different page orientations ?

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