

HOLIDAY HOME WORK -SUMMER VACATION

SESSION- 2020-2021

SUBJECT- ENGLISH

CLASS- X

1. Read English newspaper and magazine daily. Paste two passages and frame 5 questions from each, write their answers also.
2. Write a letter to your friend sharing your experience during '**lockdown period**', describing the problems faced by you and your family members and giving him/her some health tips.
3. Complete the story in about 150-200 words. Give a suitable title also.

One day Rahul was going to the market. He was in a hurry to buy goods. Suddenly he met an old woman who wanted his help.....

4. Write two letters to the Editor of the newspaper.
5. Suppose you are Lanchow write your feelings in the form of diary entry, describing the incident that you had written the letter to the God and what happened after that.
6. Write summary of the lesson 'The Triumph of Surgery'.
7. Write and learn speech on any topic you would like to deliver in the class.
8. Listen to the English news daily to develop your listening skill.
9. Write five slogans on "Health". 10. Change
- 10 sentences into passive voice. 11. Change
- 10 sentences into indirect speech.
12. Learn all the chapters taught and complete your pending work.

Do your holiday home work in your subject register.

Summer Vacation Homework Class: VI Subject: Library

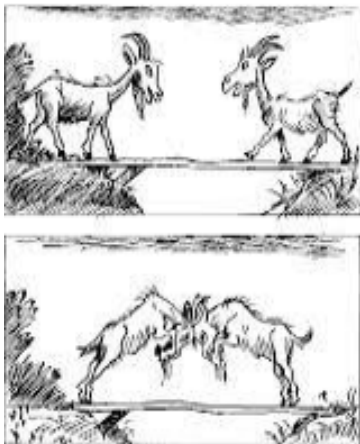


✓Bookmark (2)

✓Story Weaving (1) (a dog, a Christmas tree, and a babysitter)

✓Online Quiz (World Environment Day & World Yoga Day) (Link of the quiz will be uploaded on respective dates) ✓Scrap

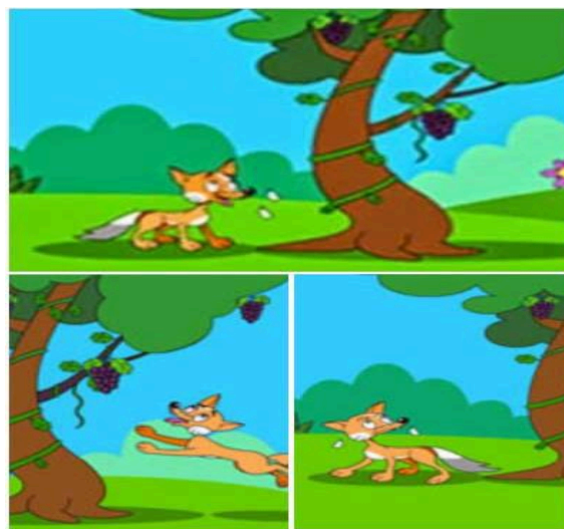
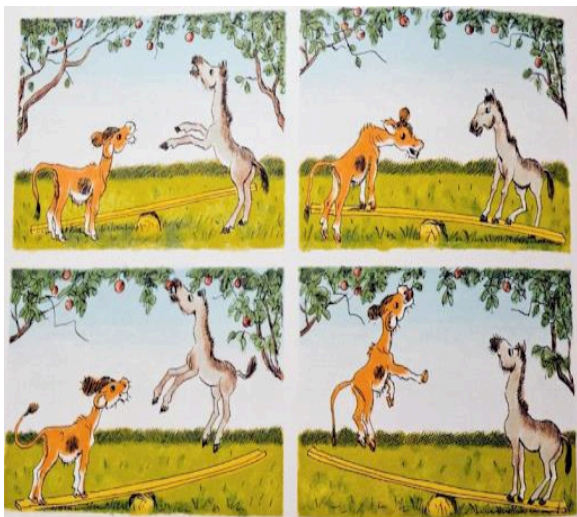
Book preparation (Indian States & Dance forms) ✓Story from picture (2)



Summer Vacation Homework Class: VII Subject: Library



- ✓Bookmark (2)
- ✓Story Weaving (1) (a beach, the zoo, and the Statue of Liberty)
- ✓Online Quiz (World Environment Day & World Yoga Day) (Link of the quiz will be uploaded on respective dates)
- ✓Scrap Book preparation (Festivals of Different States)
- ✓Story from picture (2)



Summer Vacation Homework Class: VIII Subject: Library



- ✓ Book Jacket Cover Designing (1)
- ✓ Story Weaving (1) (a zombie, a birthday cake, and a pair of high heels)
- ✓ Online Quiz (World Environment Day & World Yoga Day) (Link of the quiz will be uploaded on respective dates)
- ✓ Scrap Book preparation (Country & Currency)
- ✓ Online Book Review (1)

Summer Vacation Homework Class: IX Subject: Library



- ✓ Book Jacket Cover Designing (1)
- ✓ Online Quiz (World Environment Day & World Yoga Day) (Link of the quiz will be uploaded on respective dates)
- ✓ Theme Based Writing (1) (Impact of Coronavirus on Society)
- ✓ Online Book Review (1)
- ✓ Gist of Biography of your favourite Author

Summer Vacation Homework Class: X Subject: Library



- ✓Online Quiz (World Environment Day & World Yoga Day) (Link of the quiz will be uploaded on respective dates)
- ✓Online Book Review (1)
- ✓Theme Based Writing (1) (Unsung Warriors of Coronavirus Pandemic)
- ✓Gist of Biography of your favourite Author

HOLIDAY HOMEWORK- class X MATHEMATICS

	One Mark Questions
1	State Euclid's Division Lemma.
2	State the Fundamental theorem of Arithmetic.
3	Prove that 4 does not end with zero, where n is a natural number 4
	If the HCF of two numbers is 1, then the two numbers are called (a) composite (b) relatively prime or co-prime (c) perfect (d) irrational numbers
5	For some integer q, every odd integer is of the form (a) q(b) $q + 1$ (c) $2q$ (d) none of these
6	A is a proven statement used for proving another statement. (a) axiom (b) theorem (c) lemma (d) algorithm
7	A cubic polynomial can have at most.....zeroes. (a) 0 (b) 1 (c) 2 (d) 3
8	The pair of equations $y = 0$ and $y = -7$ has (a) one solution (b) two solution (c) infinitely many solutions (d) no solution 9
	When lines l_1 and l_2 are coincident, then the graphical solution system of linear equation have (a) infinite number of solutions (b) unique solution (c) no solution (d) one solution
10	The pair of equations $x + 2y + 5 = 0$ and $-3x - 6y + 1 = 0$ have (a) infinite number of solutions (b) unique (c) no solution solution (d) one solution
11	The sum of the digits of a two digit number is 9. If 27 is added to it, the digits of the numbers get reversed. The number is (a) 36 (b) 72 (c) 63 (d) 25
12	The value of k for which the system of equations $x - 2y = 3$ and $3x + ky = 1$ has a unique solution is (a) $k = -6$ (b) $k = 6$ (c) $k = 0$ (d) no value

	Two Marks Questions
1	Find the number when divided by 61 gives 27 quotient and 32 as remainder. 2
	Find The zeroes of the polynomial $x^2 + 7x + 10$ are Ans : 2 and 5
3	Five years ago, A was thrice as old as B and ten years later A shall be twice as old as B, then find the present age of A.
4	The sum of the digits of a two digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number. 5
	Find a quadratic polynomial whose zeros are 2 and -6 Ans. $x^2+4x-12$
6.	Form a quadratic polynomial whose zeros are $3 \pm 2\sqrt{5}$ Ans. $x^2 - 6x - 11$
7.	Find the value(s) of k for which the following system of equations has a unique solution $x-2y=3; 3x+ky=1$ Ans.k -6
8.	For what value of k, the following linear equations are inconsistent?, $4x+6y=11; 2x+ky=7$ Ans. k=3

— —

	Three Marks Question
1	Use Euclid's Division algorithm to show that any positive odd integer is of the form $6m+1$ or $6m+3$ or $6m+5$, where m is some integer
2	Find the greatest number that will divide 445, 572 and 699 leaving remainders 4, 5 and 6 respectively . <div style="text-align: right;">Ans. 63</div>
3	Using prime factorization method, find the HCF and LCM of 72, 126, 168. Also show that HCF LCM product of numbers HCF=6, LCM=504 <div style="text-align: right;">Ans.</div>
4	If sum of the squares of zeros of the polynomial $f(x) = x^2 - 8x + k$ is 40, find the value of k . Ans. 12
5.	If one zero of the quadratic polynomial $f(x) = 4x^2 - 8kx - 9$ is negative of the other, find the value of k . <div style="text-align: right;">Ans. 0</div>
6	Solve the following equation by elimination method $\begin{matrix} 4x-3y-8=0; & 6x-y-29=0 \\ & 3 \end{matrix}$ <div style="text-align: right;">Ans. $x=3, y=-2$</div>
7.	The students of a class are made to stand in rows. If 4 students are extra in each row, there would be 2 rows less. If 4 students are less in each row, there would be 4 rows more. Find the number of students in the class. <div style="text-align: right;">Ans. 96</div>
8.	A motor boat whose speed is 18 km/hr in still water takes 1 hour more to go 24 km upstream than to return downstream to the same spot. Find the speed of the stream. <div style="text-align: right;">Ans. 6km/hr</div>

Four Marks Questions	
1.	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 .
2.	Prove that following numbers are not rational (i) $\sqrt{2}$ (ii) $\sqrt{3}$ (iii) $\sqrt{5}$ (iv) $\sqrt{7}$
3.	If α and β are the zeros of polynomial $x^2 + x - 7$, find the value of $\alpha^2 + \beta^2$ Ans. 29
4.	If α and β are the zeros of polynomial $f(x) = x^2 - 5x + k$ such that $\alpha - \beta = 1$, find the value of k . Ans. $k = 6$
5.	If two zeros of the polynomial $x^4 - 6x^3 - 26x^2 + 138x - 35$ are $2 \pm \sqrt{3}$, find other zeros. Ans. $-5, 7$
6.	Solve the following equations (i) $4x + 6y = 3xy$; $8x + 9y = 5xy$ Ans. $x = 3, y = 4$ (ii) $3(x + 3y) = 11xy$; $3(2x + y) = 7xy$ Ans. $x = 1, y = 3$
7.	There are two classrooms A and B. If 10 students are sent from A to B, the number of students in each room becomes the same. If 20 students are sent from B to A, the number of students in A becomes double the number of students in B. Find the number of students in each room

SUMMER VACATIONS HOLIDAY HOMEWORK (SCIENCE)

CLASS X

1. Make all the ray diagrams from chapter Light.

2. MAKE AND LEARN FOLLOWING DIAGRAMS

- a. CROSS SECTION OF LEAF
- b. OPEN AND CLOSED STOMATA c.
- NUTRITION IN AMOEBA
- d. HUMAN DIGESTIVE SYSTEM
- e. HUMAN RESPIRATORY SYSTEM
- f. SECTIONAL VIEW OF HUMAN HEART g.
- HUMAN EXCRETORY SYSTEM
- h. STRUCTURE OF NEPHRON

3. WRITE AND BALANCE FOLLOWING CHEMICAL REACTIONS: a.
CARBON DIOXIDE PASSED THROUGH LIME WATER b.
CORROSION OF SILVER
c. THERMAL DECOMPOSITION OF LEAD NITRATE d.
BURNING OF MAGNESIUM RIBBON
e. QUICK LIME REACTS VIGOUROUSLY WITH WATER 4.

NAME THE ACID/BASE PRESENT IN FOLLOWING:

- a. BEE STING a.
- TOMATO b.
- TAMARIND c.
- CURD
- d. ANTACID
- e. NETTLE LEAVES f.
- TOOTHPASTE g. ANT
- STING

5. STATE THE FUNCTION OF FOLLOWING:

- | | |
|--------------------|----------------|
| a. LIVER | f. LENTICLES |
| b. GALL BLADDER c. | g. NASAL |
| VILLI | HAIRS h. |
| d. HCl | PLATELETS |
| e. ALVEOLI | i. LYMPHOCYTES |
| | j. CAPILLARIES |

6. GIVE REASON FOR THE FOLLOWING:

- a. TRACHEA IS PROVIDED WITH CARTILAGENOUS RINGS b.

ALVEOLIA TRANSPIRATION IS NECESSARY EVIL

c. PICKLE IS NEVER KEPT IN A METAL VESSEL

d. SILVER CHLORIDE IS STORED IN DARK COLOURED BOTTLES e.

NITROGEN GAS IS FILLED IN CHIPS PACKETS

f. MAGNESIUM RIBBON IS CLEANED WITH SAND PAPER BEFORE BURNING g.

TOOTHPASTE IS USED FOR CLEANING TEETH

- h. BAKING SODA IS PPLIED ON THE AREA STUNG BY HONEY BEE.
 - i. OXYGENATED AND DEOXYGENATED BLOOD IS SEPERATED IN MAMMALS AND BIRDS j.
ARTERIES HAVE THICK AND ELASTIC WALL
7. DOWNLOAD AAROGYA SETU APP AND WRITE THE IMPORTANT FEATURES OF THIS APP.
8. COMPLETE ALL THE ASSIGNMENTS GIVEN IN GOOGLE CLASSROOM FOR THE CHAPTERS DONE.

Holiday Homework Summer Vacation 2020-21

Social Science

Class X

1. Write at least one Objective question with answer from each page of chapter 1 history – The rise of Nationalism in Europe.
2. Make a poster of consumer rights and duties.
3. Write a short note on MGNREGA-2005.
4. Differentiate between organized sector and unorganized sector.
5. Make maps from the Chapter Minerals and energy resources .

CLASS X
HOME- WORK FOR SUMMER VACATION 2020-21

1. Make a poster on a full-size chart paper about Consumer Rights and Duties.
2. Solve the puzzle by following your search horizontally and vertically to find the hidden answers in Geography - Chapter-1
3. Write at least one objective question with answer from each page of Chapter -1 (HISTORY). The Rise of Nationalism in Europe.
4. Write few lines about the following.
 - a) Conservatism
 - b) Ottoman Bismarck
 - c) Romanticism
 - d) Nation State
 - e) Liberalism
 - f) The treaty of Vienna
5. Locate the following on the outline map of India: -
 - a). The area where Alluvial soil found.
 - b). The area where Red soil found.
 - c). The area where Black soil found. d).
 - The area where Laterite soil found.
6. Learn all question answers given to you through Google classroom.