

Q1. EXPLAIN GRAPHICALLY WITH THE HELP OF 5 EXAMPLES ON EACH OF THE FOLLOWING CONCEPT ON LINEAR EQUATIONS IN TWO VARIABLES

- IF  $\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$ , then the lines intersect each other.
- IF  $\frac{a_1}{a_2} = \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$ , then the lines do not intersect each other.
- IF  $\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$ , then the lines are coincident lines.

Q2. DRAW THE GRAPH OF FOLLOWING EQUATIONS ON GRAPH PAPER

- $x = 0$ .
- $y = 0$ .
- $x = 1$ .
- $x = y$ .
- $x + y = 0$ .
- $y - 5 = 0$ .
- $2x + 3y = 5$ .

Q3. SOLVE 10 EXAMPLES OF FINDING THE L.C.M AND H.C.F. OF THREE DIFFERENT NUMBERS AND VERIFY THE FOLLOWING RESULTS:

- $L.C.M (P,Q,R) \times H.C.F (P,Q,R) \neq P \times Q \times R$
- $L.C.M (P,Q,R) = \frac{P \times Q \times R \times HCF(P,Q,R)}{HCF(P,Q) \times HCF(R,Q) \times HCF(P,R)}$
- $H.C.F (P,Q,R) = \frac{P \times Q \times R \times LCM(P,Q,R)}{LCM(P,Q) \times LCM(R,Q) \times LCM(P,R)}$

Q4. PROVE BY CONTRADICTION METHOD THAT TWO DISTINCT LINES IN A PLANE CANNOT INTERSECT IN MORE THAN ONE POINT.

Q5. SOLVE 10 DIFFERENT TYPES OF EXAMPLES RELATED TO CONCEPT " $HCF(A, B) LCM(A, B) = A \times B$ ."

Q6. SOLVE 5 STATEMENT PROBLEMS OF LINEAR EQUATIONS IN TWO VARIABLES ON EACH OF THE FOLLOWING TOPICS

- PROBLEMS ON AGES
- PROBLEMS BASED ON DISTANCE AND SPEED
- PROBLEMS BASED ON TIME AND WORK
- PROBLEMS BASED ON TWO DIGIT NUMBERS.

- USE SEPARATE NOTE BOOK FOR HOLIDAYS HOME WORK.
- DO HOLIDAYS HOMEWORK YOURSELF ONLY, BUT IF YOU FIND PROBLEM THEN ONLY TAKE THE HELP OF YOUR ELDERS.

1. Learn all the chapters of Social Science done in the class and come prepared for PPT (FA1)
2. Make at least 10 one-word or one-line questions from each chapter and write them in your Assignment notebook.
3. Practice Maps and paste them in your Assignment and Class-Work notebook.

(PROJECT WORK)

Class will be divided into 3 Groups

**Topic = Disaster Management**

- Save Water or Jal Hai Toh Kal Hai
- Wild Life Conservation
- Global warming and its effect

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Subject - Biology

Class- X

Define the following terms :- Pleura, Glycolysis, Spiracles, Tenticels, Cutaneous, Respiration, Pericardium, Double Circulation

- Read the topics of lesson Life Processes – ‘Translocation’ and ‘Respiration’.& Excretion Select 10 questions from each topic and write their answers.
- Draw the labeled diagram of Human respiratory System, Human Heart, Excretory System of human and nephron.
- How will you demonstrate that chlorophyll is essential for photosynthesis?
- Describe the working of Artificial Kidney (Dialysis).

State the functions of the following in the alimentary canal liver , Gall bladder, Pancreas, Villi, Salivary glands, oesophagus, colon.

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**HOLIDAYS HOMEWORK Sub : English**

**CLASS :- 10TH**

1. Learn and revise the syllabus completed in class .
2. Do practice papers 1 and 2 from evergreen .
3. Read the novel in detail and prepare power point presentations as assigned .
4. Taking clues from the MCB unit ‘education’ , write an article on ‘the advantages of education’ in about 100-120 words.
5. Write an article on ‘need to recognize and empower girl child .
6. Write an article on ‘health benefits of yoga’ .
7. Write a letter to the editor of ‘the Hindustan times ‘ expressing your views in favour of capital punishment for those who indulge in adulteration of medicines . You are Gurvinder / Paramjeet of 30, sector 21, Chandigarh .
8. Write a short story that ends with the words ‘At last he succeed.....’  
underlining the need for helping an old woman .

CLASS X... Subject: I.T

1. Write 10 html programs using formatting tags in assignment copy

HOLIDAYS HOMEWORK

CLASS :- 10<sup>TH</sup> subject: English

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