

Class - ~~X~~ (B+A)

Subject - Biology

- ① Make a model of an open & closed stomatal pose.
- ② Draw & label human alimentary canal & human respiratory system on A4 size paper.
- ③
  - i) How does nutrition take place in amoeba? Explain with diagram.
  - (ii). What is role of acid in our stomach?
  - (iii) what is the role of saliva in the digestion of food?
  - (iv). Differentiate between aerobic & anaerobic respiration?  
Name some organisms that use the anaerobic mode of nutrition.

H.H.W.

X-B

Sub: Comp.

gwh  
23-4-19

- ① Write the name of Internet services with examples.
- ② Draw the window of e-learning website or SNS.
- ③ Write the features of mobile technologies in 3G & 4G.

Ajay

Sub.Tr.7

1. Prepare a survey report of potable water available in your residential area highlighting the following points :-
  - (a) Purity of water
  - (b) Average consumption per home per day.
  - (c) Type of source of water
  - (d) Level of underground water.
2. Write a short note on the common Election - 2019 of Republic of India with special reference should be given on your Lok Sabha Constituency (Sidhi).
  - (a) Name of the political parties participating.
  - (b) No. and name of the candidates.
  - (c) Their election campaign.
  - (d) Role of local administration.
  - (e) Procedure of polling (on 29/04/19)
  - (f) Steps taken by local administration to enhance percentage of voting.
  - (g) Result day.
3. Frame 20 questions each from taught syllabus portion and also answer them.

# Holiday Home Work

Subject - Physics

Class-X

Q1. Define the following terms -

- (i) centre of curvature
- (ii) Principal Axis
- (iii) Radius of curvature
- (iv) focal length
- (v) Principal focus

Q2. Draw a ray diagram by concave mirror when an object is kept at -

- (i) At infinity
- (ii) Beyond  $c & f$
- (iii) At  $c$
- (iv) Between  $c & f$
- (v) At  $f$
- (vi) Between  $P$  and  $f$

Also mention the nature, position and size of image formed.

Q3. Draw a ray diagram by convex mirror when an object is kept between infinity & pole of mirror. Also state nature, position & size of image so formed.

Q4. Which type of mirror is used in -

- (i) headlights in car
- (ii) solar furnaces
- (iii) Rear view mirror

Q5. What do you understand by the term magnification. write its SI unit.

Q6. Write mirror formula & solve the problems given in Pg. no. 170

Example - 10.1 & 10.2

① Verify the conditions for consistency of a System of linear Equations in two variables by graphical representation.

Three Pairs of Linear Equations

$$\text{i) } 2x - 5y + 4 = 0, 2x + y - 8 = 0$$

$$\text{ii) } 4x + 6y = 24, 2x + 3y = 6$$

$$\text{iii) } x - 2y = 5, 3x - 6y = 15$$

② i) Find the least number that is divisible by all the numbers from 1 to 10 (both inclusive)

ii) The decimal expansion of the rational number  $\frac{14587}{1250}$  will terminate after?

iii) Write whether the square of any positive integer can be of the form  $3m+2$ , where  $m$  is a natural number. Justify your answer.

iv) The numbers 525 and 3000 are both divisible only by 3, 5, 15, 25 and 75. What is the HCF (525, 3000)? Justify your answer.

v) Show that the square of any positive integers cannot be of the form  $6m+2$  or  $6m+5$  for any integer  $m$ .

vi) If  $n$  is an odd integer, then show that  $n^2-1$  is divisible by 8.

vii) Prove that, if  $x$  &  $y$  are both odd positive integers then  $x^2+y^2$  is even but not divisible by 4.

viii) If  $\sqrt{2}$  is a zero of the cubic Polynomial  $6x^3 + \sqrt{2}x^2 - 10x - 4\sqrt{2}$ , then find its other two zeroes.

ix) For which values of  $a$  &  $b$ , the zeroes of  $q(x) = x^3 + 2x^2 + a$  are also the zeroes of the Polynomial.

$P(x) = x^5 - x^4 - 4x^3 + 3x^2 + 3x + b$ ? Which zeroes of  $P(x)$  are not the zeroes of  $q(x)$ ?

x) Are the following pairs of linear equations consistent? Justify your answer,

$$\text{i) } -3x - 4y = 12 \text{ and } 4y + 3x = 12$$

$$\text{ii) } \frac{3}{5}x - y = \frac{1}{2} \text{ and } \frac{1}{5}x - 3y = \frac{1}{6}$$

$$\text{iii) } 2ax + by = a \text{ and } 4ax + 2by - 2a = 0; a, b \neq 0$$

$$\text{iv) } x + 3y = 11 \text{ and } 2(2x + 6y) = 22.$$

Holiday Homework  
Class - 10<sup>th</sup> (A+B)  
Subject - SC (Che, Phy, Bio)

\* Chemistry :-

- ① Activity → Rusting of Iron

Paste pieces of iron articles before and after rusting in your scrap book.  
Give methods of prevention from rusting.

- ② Explain the burning of Magnesium ribbon in air.

Why Mg-ribbon is rubbed before burning? Explain.

- ③ Write 20 chemical equation and balance it.

H.H.W

सत्र - 2019-20

विषय:- हिंदी कक्षा - नौवीं, वर्गी - ३

प्र० १:- पशु-पक्षियों से संबंधित जानकारी  
इकड़ी कीजिए और किन्हीं दो पशुओं  
अथवा पक्षियों से संबंधित काविता लिखें।

प्र० २) कवीरदास के धार्मिक और सांप्रदायिक  
सदृश्यता संबंधी विचारों पर प्रकाश

उल्लिखन 1

प्र० ३) इच्छा के आधार पर वाक्य के भ्रम  
लिखें और दो-दो उदाहरण लिखें।

उल्लिखन 1

प्र० ४) पाठ स्कूल और नीं के प्रश्नोत्तर याद  
कीजिए।

Holiday Homework 2019-20  
CLASS- X (A+B)

Activity Based question

1. using table, show different people have different goal of development.

FUN WITH LEARNING

2. write a paragraph on your notion of what should India do or achieve, to become a developed country.

KNOWLEDGE BASED QUESTION

3. Give some example where factors other than income are important aspects of our lives.

HOLIDAY HOMEWORK  
ENGLISH

CLASS- X-B

1. Do you think there is colour prejudice in our own country? Illustrate this in a paragraph of about 100 to 150 words.
2. Write the messages conveyed by the poems "Dust of snow" and "Fire and ice".
3. Write the meaning of the words given below and use them in your own sentences-  
a) downpour, predict, pleasure, drape, resemble, conscience, correspondence, despise, contentment, crook, perish, dignity, profound, glimmer, inclined, virtue intend, besiege, wrought, grim
4. Make a chart to show the literary devices used in the poem with suitable examples.
5. Answer the following questions in 80-100 words.
  - a) How can you say that Hari Singh understands the importance of education?
  - b) How far was Mrs. Pumphrey responsible for Trickey's illness?
6. Lencho suffered <sup>first</sup> due to drought and then by floods. Our country is also facing such situations in the recent years. There is flood and there is drought. There is a need to save water through water harvesting. Design a poster on how to save water during

7. Find more about the place that you wish to visit during summer vacation. Paste a picture of the place and write a paragraph on how you spent your vacation.