# SAINIK SCHOOL IMPHAL

# SUMMER VACATION HOMEWORK: 2021-22

# CLASS X

VACATION HOME WORK

Subject: Gen. Science          Class: 10

1. Project
   Topic- Tobacco product and Health.
   Find the various harmful effect of tobacco on health.
   Talk to ant 10 people of your locality or any person you know with history of tobacco consumption in any form.
   Tabulate your findings in the given format.
A. CHEWING TOBACCO: (Khaini, Gutka, Zarda etc)

| Sl.No | Name | Age | Duration of uses | Health issue related to chewing tobacco |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

B. SMOKING: (Cigarette, Bidi etc)

| Sl.No | Name | Age | Duration of uses | Health issue related to smoking |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

   Collect data on different people for different tobacco product.
2. Draw the following and label it
   a) A human digestive system.

Vacation homework

chemistry                                                class 10(2021-2022)

1.      Why is respiration considered an exothermic reaction?                    (1)
2.      Give an example of photochemical decomposition reaction.                (1)
3.      Oil and fat containing food items are flushed with nitrogen. Why?        (1)
4.      When a solution of potassium chloride is mixed with silver nitrate solution,    an insoluble white substance is formed. Write the chemical equation    involved and also mention the type of the chemical reaction?                    (1)
5.      By passing electric current through water, H2,and O2 are obtained as

2H2O Electric current        2H2+O2

But H2 and O2 can also be combined to form water

2H2 + O2              2H2O
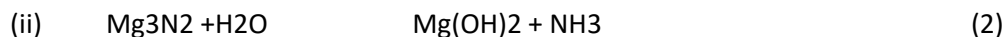
The first reaction is decomposition reaction and second is combination reaction.
Is this statement true? Justify                                                    (1)
6.      What is the difference between displacement and double displacement   reactions? Write equations for these reactions.                                    (2)
7.      Balance the following equations:

(i)      Pb(NO3)2      Heat              PbO+NO2+O2

(ii)      Mg3N2 +H2O            Mg(OH)2 + NH3                              (2)

8.      When water is added to a white powder 'A', vigorous reaction take place          and a large amount of heat is released. 'A' is also used for white washing. Identify 'A' and write a chemical equation for its reaction with water and name the product.
                                        (2)
9.      Consider the activity of heating ferrous sulphate FeSO4.7H2O crystals in a test tube.
                                                                          (3)
Complete the sentences :
(i)      This is a ……………… type reaction.
(ii)      The chemical equation for the reaction is
………FeSO4 (s)                      ……(s) + SO2 (g) + …..(g)
(iii)      The two gases formed in the reaction are ……… and ……….
   10.What is the difference between                                            (3)
        (i) exothermic and endothermic reactions
        (ii) combination and decomposition reactions.

   11. Write balanced chemical equation and identify the type of chemical reaction take place when:
                                                                          (5)
        (i) Barium chloride solution is mixed with copper sulphate solution and a white precipitate is observed.
(ii) On heating copper powder in air in a china dish, the surface of copper powder turns black.

(iii) Zinc metal reacts with aqueous hydrochloric acid to produce a solution of zinc chloride with hydrogen gas.

(iv)     Iron nails when left dipped in blue copper sulphate solution becomes brownish in colour and the blue colour of copper sulphate fades away.

(v)      Quick lime reacts vigorously with water releasing a large amount of heat.

(*)What is the relation between?
'IDEA', 'CONCEPT', 'THEORY','LAW'.

PROJECT
(a) Adverse effects of contents of soft drinks.
(b) Correlation between Conductivity and Corrosion

**HOLIDAY HOMEWORK:**

1.      "A simple living is described in the lesson – A Letter to God". Explain.

2.      Read the lessons "A triumph of surgery" and "A letter to God" carefully and make charts of the following in A4 papers.

a)      20 Rhyming words (twenty pairs).

b)      10 words and their synonyms and antonyms.

c)      Make a table to show comparisons between

      i) Mr Herrist and Mrs Pumphery.

      ii) Lencho and Postmaster.

      Make a table to write your views as given below.

| Sl.No | Mr Herrist | Mrs Pumphery |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

| Sl.No | Lencho | Postmaster |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

Class: 10B          Subject : English          Teacher : Mrs H. Nonida

**HOLIDAY HOMEWORK:**
Write an article, poem, riddles, facts for the school magazine. (10pts)
- i)      Ema Market
- ii)     Lai haraoba
- iii)    Mental pressure that arises due to pendamic.
- iv)     Karang Island in Manipur.
- v)      Indigenous food of Manipur.
- vi)     Tribals of Manipur (culture and origin)
- vii)    Dances of Manipur.
- viii)   Phumdis of Loktak lake.
- ix)     Personal experience.
- x)      Reading delight.

Grammar

Scholar's senior English grammar and composition
Subject and Argument
Correct the following sentences (pg. 126, ex-2, Q-1to15)
1. The rich is generally unkind.
2. The Arabian night were written in Arabia.
3. The room with all its goods were set on fire.
4. More-then-one goat is killed.
5. There is a boy and a girl in the room.
6. The clerk and accountant are sitting in the room.
7. Roshan or his brother are guilty.
8. Success and failure depends on luck.
9. The people of Punjab wants Chandigarh for their capital.
10. Milk and eggs are a good food.
11. A black and white dog is barking in the street.
12. I as well as my brother is going to Agra.
13. She no less than you are responsible for it.
14. Each of these books consist of 200 pages.
15. The clerk and the accountant is in the office.

Write a book review on the Novel "HEART OF DARKNESS" by Joseph Conrad and "A TIGER COMES TO TOWN" by RK Narayan.

First flight book.

- i)      Have you ever been in great difficulty, and felt that only a miracle could help you? How was your problem solved? Comment with reference to the story "Letter to God".
- ii)     What is the rhyme scheme of the poem? How does it help in bringing out the contrasting ideas in the poem?
- iii)    Give 2 examples each of the literary devices. Alliteration, simile, metaphor, personification, irony, oxymoron.

Write the structure and uses of tense.

**HOLIDAY HOMEWORK:**

1. Write a letter to the editor of an esteemed newspaper on "CORONA VIRUS" and "RESPONSIBILITIES OF AN INDIVIDUAL" in 120 to 150 words.(classwork copy)
2. (A) Review tenses and all its forms. Write down all the forms, sentences structure along with an example each in class work copy.
   (B) Complete exercise in tenses uploaded.
3. Learn all the lessons taught till 8th May, the word meanings, question and answer and exercise.
4. Use your creativity and imagination to spin a story in about 200-250 words on the theme "SAVE EARTH".
5. Read the BOOKS
   a) Chicken soup for the teenage soul: Jack Confield.
      Choose two favourite story from the book and write a page on why you liked them.
   b) How to win friends and influence people: Dale Carnegie.
      Write five way to win friends and 5 ways to influence people according to the author.

Vacation Home Work                    Class X-ABC

Subject: Geography

1. Draw an outline map of India on an A4 sixe paper and show major soils and rivers of India.
2. Define land degradation. Write some causes of it and mention some conservation measures.

Summer Vacation Homework

Class XA                          Subject: Mathematics

1. To solve NCERT exercise of chapter 1,2,3 and 4.
2. To write report on regards of Indian Mathematician (any two)

<u>SUMMER VACATION HOMEWORK</u>:

Prepare the following assignment in A4 Papers with neat and clean ray diagrams and this assignment will be used for awarding internal assessment marks.

1. Draw the ray diagram of image formed by plane mirror and also state the characteristics of image formed.

2. Draw the ray diagram of image formed concave mirror and convex mirror and also state the characteristics of image formed.

3. Write any two applications/uses of each of concave and convex mirrors which you have come across in your daily life.

Summer Vacation Homework

1. Why is the issue of sustainability important for development? Prepare a report on the issue of single used plastic and depleting ground water level.
2. Make a list of all kinds' work that you find adults around you doing for a living. Classify them properly capture photographs and prepare a collage using relevant photos.
3. Measure/Calculate BMI (body mass index) of your family members and indicate problems related with overweight/undernourished.

ग्रीष्मावकाश कार्य (Summer vacation home work)

Q1) आप इस कोरोना के दौरान अपने आप को शारीरिक और मानसिक रूप से कैसे स्वस्थ रख सकते है। इस पर २०० शब्दों मे एक निबंध लिखिए।

Q2) प्रेमचंद की किंही भी पाँच कहानियों का संग्रह करें एवं एक कहानी पर समीक्षा तैयार करे।

Q3) जीवन की कठिनाइयों से जूझते हुए आगे बढ़ने वाली किन्ही पाँच महिलाओ के चित्र चिपकाकर / बनाकर उसकी संघर्ष गाथा अपने शब्दों मे लिखिए।

Q4) अपने आसपास पाँच पौधा लगाइए, और उसकी समुचित देखभाल करके पर्यावरण मे आए असंतुलन को रोकने मे अपना योगदान दीजिए।

अपने हाथों से लगाए पौधो की फोटो उतारे और अपने अनुभव को पत्र के माध्यम एक मित्र को लिखिए।

SUB TEACHER

Ksh Brojeshwori

Q1 ꯃꯦꯎ ꯑꯦꯁ ꯃꯥꯀꯅ ꯎꯃꯥꯏ ꯁꯦꯃꯁ ꯅꯥꯎ॥ 10.

Q.2 ꯃꯥꯁꯃꯘꯥ ꯑꯣꯛ॥.                                        5
  (ꯀ) ꯁꯥꯎ ꯑꯀꯥ
        ꯑꯗꯥ ꯁꯥꯁꯗꯥ ꯑꯦꯔꯅꯥ
        ꯑꯦꯁꯗꯥ ꯑꯗꯥ ꯎꯃꯥꯁꯣ॥
        ꯑꯀꯥ ꯑꯁꯥ ꯃꯦꯁꯀꯗꯥ॥

Q3 ꯑꯁꯗꯦꯝꯁ ꯃꯀꯥꯃꯔꯣ ꯁꯣꯘꯥꯁꯔ ꯑꯃꯗꯔꯣꯏ    5.
    ꯑꯦ ꯃꯃꯃꯔꯥ ꯑꯣꯁꯔ ꯃꯗꯃꯁ" ꯃꯁꯣꯃꯣꯔꯥ ꯃꯣꯁꯃꯣꯀꯔꯥꯃꯣꯔꯣ?

Q.4. ꯃꯣꯁꯃꯦꯁꯂ ꯑꯣꯃꯁ ꯃꯃꯛ ꯁꯥꯁꯂꯅ ꯅꯥꯎ॥.          10
  (ꯀ) ꯑꯁꯔ- ꯑꯁꯃꯁꯣ
  (ꯈ) ꯑꯁꯔꯥ ꯁꯥꯀꯣꯝ ꯃꯔꯣꯃꯥꯁꯃꯥꯔ ꯃꯣꯁꯀꯃꯔ ꯀꯃꯔ.
  (ꯒ) ꯗꯃꯃꯁ- ꯑꯁꯣꯁꯔ.

Q.5. ꯑꯁꯔ ꯁꯥꯁꯃꯁꯂ ꯁꯥꯁꯃ ꯃꯃꯃꯔꯥ ꯃꯁꯃꯁꯈ ꯅꯥꯁꯂꯃ/ꯀꯃꯁꯃ
                                                            10.
    ꯑꯃꯃ ꯅꯥꯎ॥

M. Jiten Singh.

1/ ꯖꯔꯛꯔ ꯁꯥ = (Selected Essays- Introduction - body-conclusion).

(ꯑ) ꯁꯟꯇꯛ ꯂꯥꯏꯁ ꯖꯔꯛꯔꯞꯇꯔꯞ

ꯂꯥꯏꯁ ꯑꯔꯛ ꯃꯥꯏ, ꯀꯤꯜꯥꯏꯁ, ꯇꯛꯔ,

ꯇꯍꯤꯟꯁ ꯖꯔꯛꯇꯛꯞꯥꯏꯁ ꯍꯔꯖꯥꯏꯛꯞ
(Discriptive Essay / Narrated Essay / Imagination Essay)

(ꯑ) ꯍꯜꯥꯏꯕ ꯖꯔꯛ ꯇꯛꯞ ꯍꯔꯥꯏꯁꯔ ꯁꯥ
(Folk Tale)

(ꯇ) ꯂꯥꯟꯋꯂꯁ ꯍꯔꯖꯥꯏꯛꯞ ꯖꯔꯛꯔꯜ
(Short Story).

2/ ꯀꯟꯛꯋꯥ ꯁꯥ = (Poem writing).

(ꯑ) ꯂꯥꯁꯕꯤꯑꯥꯟꯀꯥꯏꯛꯞ ꯍꯔꯛꯥꯏꯛꯞ ꯀꯜꯛꯍꯔ

ꯍꯔꯖꯥꯏꯛꯞ ꯀꯟꯛꯋꯥ ꯂꯥꯛꯞ / ꯂꯛꯔꯍ.

(ꯑ) ꯍꯔꯟꯟꯇꯛꯞ ꯂꯥꯏꯁ ꯀꯤꯜꯥꯏꯁ /
ꯍꯔꯍꯔ ꯇꯥꯕꯠꯜ / ꯀꯔꯜꯛꯔ ꯍꯔꯛꯂ
ꯑꯟꯍꯔꯍ ꯂꯥꯏꯁ ॥

3/ ꯁꯥꯂꯛꯜ ꯖꯔꯛ ꯇꯛꯔ :- ( Biography of Manipuri writers.)
ꯑꯔꯜ ꯂꯥꯍꯛꯞ ꯇꯖꯛꯞꯋꯥ

(i) ꯑꯔꯛꯞ ꯀꯍꯛꯞ ꯁꯔꯛꯛꯋ

(ii) ꯑꯔꯛꯞ ꯀꯤꯔꯍꯖ

(iii) ꯑꯔꯛꯞ ꯇꯟꯔꯍ ꯁꯥꯔꯛꯁꯥꯔꯛꯜꯥꯟꯥ

(iv) ꯂꯔꯛꯞ ꯍꯔꯛꯇꯋꯛꯋꯛ

(v) ꯑꯔꯛꯞ ꯀꯥꯔꯛꯛꯋꯛꯖꯔ

4/ ꯇꯥꯀꯁꯤꯡ ꯑꯁ ? =    (Article Writing)

1) ꯀꯩꯅꯥ ꯑꯃ ꯑꯃꯨꯛꯇꯣꯝꯀꯥꯏ ꯃꯥꯀꯍꯥ

ꯑꯃꯤꯅꯀ ꯑꯁ

5) ꯑꯇꯤ ꯈꯥ ꯔ ꯍ ꯇꯥꯃ =    Collection of Proverb).

= ꯍꯦꯔꯥꯝꯖ ꯑꯤꯗꯤꯀꯥꯏꯃꯠꯤ ꯂꯥꯝꯀꯥꯔꯥꯏ ꯂꯛꯖ

ꯀꯥꯏꯔꯇꯥꯏꯓ ꯇꯥꯕꯥꯃꯇꯥ ‖

Date 06-05-21.                    Sub Teacher.
                                   Th. Meneka

## Vacation task class XB Maths

**Q.1.** Show that there is no integer for which $(\sqrt{n-1}) + (\sqrt{n+1})$ is rational.

**Q.2.** If $\sqrt{ab}$ is an irrational number, then show that $\sqrt{a} + \sqrt{b}$ is also irrational.

**Q.3.** Show that there is no positive integer 'p' for which $\sqrt{p+1} + \sqrt{p-1}$ is rational.

**Q.4.** Prove that $(5 + \sqrt{2})$ is irrational.

**Q.5.** State whether $1.2\overline{3} + \frac{3}{4}$ is a rational number or not.

**Q.6.** If $\alpha$ and $\beta$ are the zeros of a quadratic polynomial $x^2 + x - 2$ then find the value of $\left(\frac{1}{\alpha} - \frac{1}{\beta}\right)$.

**Q.7.** If $\alpha$ and $\beta$ are the zeros of $x^2 + p(x) + 2$ Then find the value of $\left(\frac{\alpha}{\beta} + 2\right)\left(\frac{\beta}{\alpha} + 2\right)$

**Q.8.** Find the value of 'k' Such that The quadratic polynomial $3x^2 + 2kx + x - k - 5$ has the sum of zeros as half of their products.

**Q.9.** Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeros and the co-efficients of the polynomials