

ADARSH VIDYALAYA MOWA
HOLIDAY PRACTICE WORK / SKILL DEVELOPMENT ACTIVITIES (2023-24)
CLASS – X

General Note:

- 1. All the assigned work will be assessed and graded.**
- 2. All vacation Practice work need to be done in class work copy.**
- 3. Assessment of reading will be done in every exam.**
- 4. Parents are requested to:**
 - **Spend time & have meals together with your ward.**
 - **Motivate your ward to inculcate the habit of “READING HINDI & ENGLISH Literature (Newspaper, Comics etc.)”**
 - **Allow them to be independent (age wise) in their daily tasks like:**
 - **Arrange shelves**
 - **Washing their own plates**
 - **Watering plants & weeding Garden**
 - **Hang/fold clean clothes**
 - **Dust furniture**
 - **Do simple mending (hems, buttons, etc.)**
 - **Shop for groceries with list**
 - **Iron clothes etc.**
 - **Include your ward while preparing monthly budget.**
 - **Share your family history & your childhood memories with them**

SUBJECT – ENGLISH

1. Read the chapters 'Nelson Mandela :Long Walk to Freedom' and 'From the Diary of Anne Frank' and write the character sketches of the following: (a) Nelson Mandela (b) Anne Frank

and also paste the pictures of their journey of life.

2. Read the chapters 'The Midnight Visitor' and ' A Question of Trust' and write the synopsis of both the chapters in about 150-200 words.

3. Write all the literary devices used in the poems 'A Tiger in the Zoo' and 'The Ball Poem'.

SUBJECT – HINDI

प्रश्न 1. संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, अव्यय किसे कहते हैं? प्रकार लिखकर उदाहरण सहित परिभाषित कीजिए।

प्रश्न 2. पुरुष किसे कहते हैं? उदाहरण सहित लिखिए।

प्रश्न 3. कारक की परिभाषा लिखकर उसके भेद विभक्ति सहित लिखिए।

प्रश्न 4. आपके शहर में नया वाटर पार्क खुला है, जिसमें पानी के खेल, रोमांचक झूलों के अलावा खेलकूद, मनोरंजन व खानपान की व्यवस्था भी है। पर्यटकों को आकर्षित करते हुए एक विज्ञापन तैयार कीजिए।

प्रश्न 5. अलंकार किसे कहते हैं? भेद लिखकर उदाहरण सहित सभी अलंकारों को परिभाषित कीजिए।

SUBJECT – MATHEMATICS

Q.1 Prove that $\sqrt{7}$ is irrational.

Q.2 Prove that $3 + 2\sqrt{5}$ is irrational.

Q.3 Prove that $\sqrt{7} - \sqrt{5}$ is irrational. Given that $\sqrt{35}$ is irrational.

Q.4 Express 0.2545454... as a fraction in simplest form

Q.5 Using prime factorization, find the LCM and HCF of

(i) 24, 36, 40

(ii) 30, 72, 432

(iii) 21, 28, 36, 45

Q.6 Show that 6^n can never end with the digit 0.

Q.7 Find the least number of square tiles required to pave the ceiling of a room 15m 17cm long and 9m 2cm broad.

SUBJECT –PHYSICS

Q.1 Explain the dual nature of light.

Q.2 What is lateral inversion? Write its two application in daily life.

Q.3 Draw a ray diagram of concave mirror, when the object is placed between pole and focus of the concave mirror.

Q.4 What are the uses of (a) Concave mirror (b) Convex mirror (c) Plain mirror

Q.5 Topics for Model Construction:(any one)

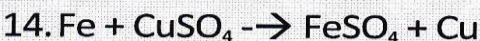
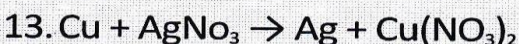
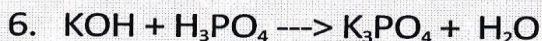
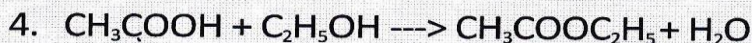
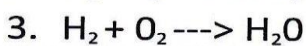
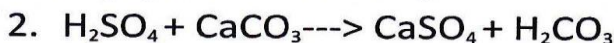
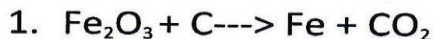
(a) Spectrum

(b) Atmospheric refraction

(c) Scattering of light

SUBJECT -CHEMISTRY

I. Balance the following reactions and also write the type of reactions.



II. Model:

1. Make a model of following: Alkane, alkene, alkyne.

2. Make an innovative model on acid rain effects/ automobile emission.

SUBJECT –BIOLOGY

1. Answer the following questions:-

- a. What is the importance of emulsification of fats?
- b. What is the role of liver in digestive system?
- c. Write the role of haemoglobin in transport?

2. Draw well labelled diagrams of the following:-

- a. Human brain
 - b. Double circulation
 - c. Nervous system
3. Why do the walls of trachea not collapse when there is less air in it?
4. Make a working model of

Dialysis process Or Plants movement

5. Prepare a project based model on endangered flora conservation. And also submit your innovative information and research to resolve the environmental issues.

SUBJECT – SOCIAL SCIENCE

(A) Prepare 'My own Atlas' in your Geography copy on the following topics.

(i) On Physical map of India –1

Neighbouring Countries with capital

(ii) On Physical map of India –2

Major soils found in India

(iii) On Physical map of India - 3

Major Physiographic divisions of India

(iv) On Political map of India –1

States with Capitals

(v) On Political map of India –2

Union Territories with Capitals

(vi) On Political map of India –3

Locate the following rivers-

- River Indus. • River Brahmaputra
- River Ganga. • River Narmada
- River Tapi • River Krishna
- River Godavari. • River Kaveri

(B) Make a model on any one topic mentioned below according to your section-

Class - X A (i) Drainage system (any one river)

(ii) Fundamental Rights

Class – X B (i) Preamble

(ii) Types of industries

Class – X C (i) Inside view of Lok Sabha

(ii) Sectors of Indian Economy

Class - X D (i) Jallianwala Bagh

(ii) Factors of Production

SUBJECT – COMPUTER APPLICATIONS (CA)

1. Enlist 10 NETIQUITTE'S guidelines for students.
2. Draw a flowchart on the history on INTERNET.
3. Explore the net and search information about the **Digilocker** application provided by e-government.
4. List 10 most popular Web browsers and Search Engines with their Icons.
5. Differentiate :
 - Trademark and Patent
 - Copyright and Trademark