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| ENGLISH | <p>HOLIDAY HOMEWORK FOR CLASS X</p> <ol style="list-style-type: none"> 1. Make a comic stripe forming conversation between Fire and Ice stating who is the strongest and end it with love and brotherhood. Draw pictures to complete the conversation. 2. Compose a poem/ draw a meaningful picture changing the title from ' A Tiger in the Zoo' to ' A man in the Cage'. 3. Faith is a common faith between ' A Letter to God' and ' Nelson Mandela: A long walk to Freedom '. Compare and Contrast the faith Lencho had in God and Nelson Mandela had in equality. 4. ' Freedom is an essential ingredient in an individual life. God made man free but man made cages.' Write a paragraph keeping in mind ' A Tiger in the Zoo' and ' Nelson Mandela '. 5. Draw the format of Letter to Editor neatly and write one example of Letter to Editor. |
| HINDI | <p>2 अनुच्छेद लेखन ,दो पत्र लेखन, औपचारिक 2 सूचना लेखन अपनी व्याकरण की उत्तर पुस्तिका में लिखें। यह कार्य व्याकरण की पुस्तक से किसी भी विषय को चुनकर लिख सकते हैं। इसके अलावा जो भी कार्य अब तक कराया गया है, सभी को याद करें।</p> |
| MATHS | <p>NOTE : YOU HAVE TO COMPLETE 4LAB MANUAL ACTIVITIES ON PRACTICAL NOTEBOOK (PRACTICAL NOTEBOOK ONE SIDE RULE). ACTIVITIES NUMBERS AND TOPICS ARE MENTIONED FOLLOWING.</p> <p>ACTIVITY NO 1. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES.</p> <p>ACTIVITY NO 2.ARITHMETIC PROGRESSION.</p> <p>ACTIVITY NO 3. SUM OF FIRST N ODD NATURAL NUMBER</p> <p>ACTIVITY NO 4.BASIC PROPORNALITY THEOREM OF A TRIANGLE.</p> <p><u>ART INTEGRATED PROJECT IN A FILE</u></p> <p>STATES ARE ARUNACHAL PRADESH AND UTTAR PRADESH</p> <p>BASE WILL BE ,POPULATION(GENDER ,CASTE AGE WISE),LITERACY,RURAL AREA,URBAN AREA,FOOD,AGRICULTURAL PRODUCT QUANTITY,LAND ,HILL AREA,INCOME,GDP.</p> <p><u>REVISE ALL THE LESSON TAUGHT.</u></p> |
| SCIENCE | <p>Physics HHW</p> <p>Write two applications each of concave and convex mirrors respectively.</p> <p>Write two uses of concave and convex lenses respectively</p> <p>Practice image formation for both mirrors and lenses.</p> <ol style="list-style-type: none"> 1. Write down and practice all the *previous year questions (2013 to 2023)* of chapter Light- Reflection and Refraction in a A-4 notebook. <p>*Class X (Biology Holiday Homework)*</p> <p>(Instruction: All HHW work will be done in classwork/notes copy)</p> <p>*Compulsory*</p> <ol style="list-style-type: none"> 1. Draw all the diagrams of chapter life processes and control & coord. Complete Questions and answers of chapter -Life processes. 2. Complete practical notebook by writing experiment/activities conducted in Bio lab. 3. Complete notes writing 4. Solve /practise board questions of last five years of chapter Life processes. <p>*Optional (Group activity)*</p> <ol style="list-style-type: none"> 5. Prepare a working model on any of the following <ol style="list-style-type: none"> a. Pumping of heart b. Digestive system c. Respiratory system d. Excretory system |

- e. Human Brain / human nervous system.
f. Reflex action

Class X
Chemistry Holiday Home Work

[A] Activity-

Write all Balanced Chemical equations of Chapters 1, 2 and 3 in your Chemistry note book.

[B] Investigatory project-

By making use of natural indicator at home (Turmeric or Onion Extract), test at least five substances like lemon juice, baking soda, vinegar, soap solution, bitter gourd extract etc and record your observation. Classify them as acidic, basic or neutral in a tabular form as given below in your Chemistry Note Book:

| S. No. | Substance | Observation (Change in colour) | Acidic/Basic/Neutral |
|--------|----------------------|--------------------------------|----------------------|
| 1 | Lemon Juice | | |
| 2 | Soap Solution | | |
| 3 | Bitter gourd extract | | |

[C] Complete the notes and question-answers (both in-text and chapter end questions) in fair notebook of the chapters/ portions completed, if not done.

[D] Complete the Practical Work, if not completed

Types of Reactions – Combination, Decomposition, Displacement and Double Displacement.
Properties of acids and Bases

[E] Read some scientific material (other than your syllabus) and present its summary in written/oral form.

Some ideas for the same are as following

Educational comic books available on DIKSHA portal.

Famous medical/industrial/astronomical inventions.

Books on flora and fauna of a particular area (preferably Arunachal Pradesh and Meghalaya), Science reporter, Biology Today, Encyclopedia, VigyanPragati.

Famous people contributing in environment protection and its conservation.

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| SOCIAL SCIENCE | "Projects— Sustainable Development, Globalisation and India, G-2, Meaning Functions Advantage to India to its Presidency, Consumer Awareness, Indian Agriculture— Types of farming, Crops, Manufacturing Industry in India 30 MCQs of chapter Nationalism in India Map Work—- States and their capitals, Soil Type, National Par" " and Wild life Sanctuaries, Nationalism in India Revision— All the taught Chapters |
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