

**ITBP PUBLIC SCHOOL  
HOLIDAY HOMEWORK (2023-24)  
CLASS X**

S.NO.	SUBJECTS	TOPICS
1	ENGLISH	<p><b>1. Prepare an Art-Integrated Project with pairing of States/ Union Territories- Delhi – Lakshadweep, Andaman and Nicobar Islands, to familiarize with culture, tradition and geography of more States and UTs as envisaged in the Ek Bharat Shrestha Bharat Programme (EBSB)</b></p> <p><b>Note: The art integrated project work will be assessed as part of the subject enrichment activity for internal assessment.</b></p> <p><b>Roll no. 1 – 17: Prepare a magazine on tourism to Lakshadweep, Andaman and Nicobar Islands and Delhi.</b></p> <p><b>(Hint: Use these points: How to reach, Entry Permit, Accommodation etc.)</b></p> <p><b>Roll no. 18 –35: Disseminate information about the paired state’s food, culture, language, festivals, flora and fauna etc. (Use Scrapbook)</b></p> <p><b>2. <u>Words and Expression Part-2</u></b></p> <p><b>Complete Unit – 1 and 2 in Book.</b></p> <p><b>3. <u>Revise covered syllabus.</u></b></p>

2

हिन्दी

## कला एकीकृत शिक्षा पर आधारित ग्रीष्मावकाश परियोजना कार्य

गृहकार्य विद्यार्थियों के लिए कई प्रकार से लाभदायक होता है। यह छात्रों को पढ़ने/लिखने/सोचने के कौशल को बनाए रखने में मदद करता है तथा छात्रों को उनके द्वारा सीखी जा रही सामग्री का अभ्यास करने और उसे सुदृढ़ करने की अनुमति देता है। यह दोहराव उन्हें विषय वस्तु की बेहतर समझ और निपुणता विकसित करने में मदद करता है, जिसके परिणामस्वरूप परीक्षण और असाइनमेंट पर बेहतर प्रदर्शन हो सकता है। इन्हीं बिंदुओं को ध्यान में रखते हुए, दिए गए ग्रीष्मावकाश का निर्माण किया गया है, जिसे पूरी लगन से पूर्ण करना हर छात्र की जिम्मेदारी है।

❖ हिन्दी के किसी एक लोकप्रिय कवि/कवयित्री, लेखक/लेखिका की जानकारी या हिन्दी भाषा की उपयोगिता को दर्शाते हुए सुंदर फ़ोटोफ़ोलियो फ़ाइल बनाइए या स्क़ैपबुक में करिए।

❖ आप एक प्रसिद्ध ट्रेवल एजेंसी के मालिक हैं, गर्मियों की छुट्टियों में अंडमान निकोबार की यात्रा के लिए पर्यटकों को आकर्षित करते हुए एक विज्ञापन तैयार कीजिए।

❖ पाठ- तोप, सपनों के से दिन, तीसरी कसम के शिल्पकार शेलेंद्र और टोपी शुक्ला के अवधारणा मानचित्र तैयार करके लाइए।

❖ प्रतिदिन समाचार पत्र पढ़िए अथवा समाचार देखिए तथा मुख्य घटनाओं को लिखिए।

❖ कोई भी बीस नए मुहावरे ढूँढकर उनके अर्थ लिखकर वाक्य बनाइए।

❖ (बिंदु (1) के लिए जो फ़ोटोफ़ोलियो फ़ाइल या स्क़ैपबुक बनेगी उसी फ़ाइल में अन्य बिंदुओं का परियोजना कार्य भी करिए।)

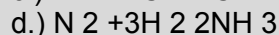
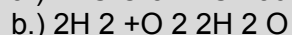
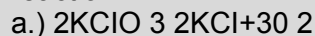
❖ कक्षा में करवाए गए कार्य का पुनः लिखकर अभ्यास कीजिए।

सारा परियोजना कार्य आकर्षक, सृजनात्मक और कलात्मक होना चाहिए। कार्य को आकर्षक बनाने के लिए आप भिन्न-भिन्न रंगों और चित्रों का प्रयोग कर सकते हैं। सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा।



3	MATHS	<ul style="list-style-type: none"> <li>● <b>PORTFOLIO ACTIVITY (PROJECT WORK)</b></li> </ul> <p>Project work should be of atleast 10 pages, it can be handwritten or printed. Should be submitted in a separate folder.</p> <p>A) Application of Geometry in day-to-day life.(at least 5 )-Roll no. 1- 15</p> <ul style="list-style-type: none"> <li>• Index</li> <li>• Photos with explanation</li> <li>• Bibliography</li> </ul> <p>B) Application of Mensuration in day-to-day life. (at least 5 )-Roll no. 16 onwards</p> <ul style="list-style-type: none"> <li>• Index</li> <li>• Photos with explanation</li> <li>• Bibliography</li> </ul> <ul style="list-style-type: none"> <li>● <b>Prepare a mind map of the topic as per given roll no.</b> <ul style="list-style-type: none"> <li>○ Roll no. – 1 to 12 – Polynomials</li> <li>○ Roll no. – 13 to 24 – Linear Equation in two variables</li> <li>○ Roll no. – 25 to 35 – Quadratic Equation</li> <li>○ <b>Where to do : In A3 size sheet</b></li> </ul> </li> <li>● <b>Parameters :</b> <ul style="list-style-type: none"> <li>(i) Presentation</li> <li>(ii) Neatness</li> <li>(iii) Content.</li> </ul> </li> <li>● <b>Revise the chapters done so far from NCERT with examples in your practice notebook.(Ch 1, 2, 3, 4 and 14)</b></li> </ul>
4	PHYSICS	<ol style="list-style-type: none"> <li>1. Submit a write-up on a noble prize winner in Physics along with his/her photograph</li> <li>2. Prepare a power point presentation and project report on any topic from chapter “LIGHT”</li> <li>3. All solved examples, exercises and additional exercises of chapter “light: reflection and refraction” from NCERT book to be done in Physics notebook.</li> </ol>
5	CHEMISTRY	<p>Multiple choice Questions :-</p> <ol style="list-style-type: none"> <li>1.) Which of the following metal fail to evolve hydrogen gas with dilute HCl? <ul style="list-style-type: none"> <li>a.) Zinc b.) Iron</li> <li>c.) Aluminium d.) Copper</li> </ul> </li> <li>2.) Which of the following is an example of displacement</li> </ol>

reaction?



3.) Chemical rust is :

a.) Hydrated ferrous oxide

b.) Hydrated ferric oxide

c.) Only ferric oxide

d.) None of these

4.) Aluminium oxide reacts with sulphuric acid to form :

a.) Aluminium sulphate

b.) Aluminium sulphate and hydrogen

c.) Aluminium sulphate and oxygen

d.) Aluminium sulphate and sulphur dioxide

5.) When dilute hydrochloric acid is added to Zinc pieces taken in a test tube :

a.) No change takes place

b.) The colour of solution becomes yellow

c.) A pungent smelling gas gets liberated

d.) Small bubbles of hydrogen gas appear on the surface of Zinc pieces.

6.) In bags containing potato chips and similar stuff, air quite often replaced by nitrogen.

This will check

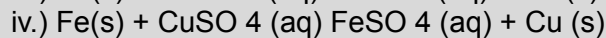
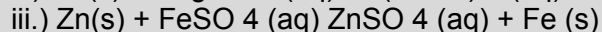
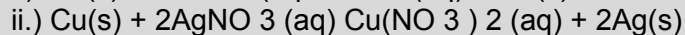
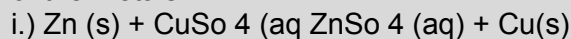
a.) The entry of moisture

b.) The entry of oxygen

c.) The rancidity of potato chips

d.) All statements are correct

7.) Based on the reaction given below, what is the correct decreasing order of the reactivity of the metals?



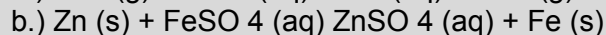
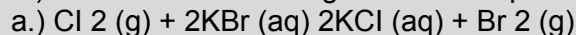
a.)  $\text{Cu} > \text{Ag} > \text{Fe} > \text{Zn}$

b.)  $\text{Fe} > \text{Zn} > \text{Cu} > \text{Ag}$

c.)  $\text{Zn} > \text{Fe} > \text{Cu} > \text{Ag}$

d.)  $\text{Ag} > \text{Cu} > \text{Zn} > \text{Fe}$

8.) Which of the following is double displacement reaction?



9.) In the reaction:



Choose the statements is/are false

a.)  $\text{H}_2\text{S}$  is oxidised

- b.) SO<sub>2</sub> is reduced
  - c.) H<sub>2</sub>S is reduced
  - d.) All are false
- 10.) Which is true about oxidation?
- a.) It involves addition of oxygen
  - b.) It involves removal of hydrogen
  - c.) It involves loss of electrons
  - d.) All are true

Very short answer type questions

- 11) Why is hydrogen gas collected over Water ?
- 12) Does hydrogen gas support combustion?
- 13) In what ratio the are the gases hydrogen and oxygen collected when water is subjected to electrolysis?
- 14) Why does not a wall immediately acquire a white colour when a coating of slaked lime is applied on it ?
- 15) What will happen to the beaker in which exothermic reaction is carried ?
- 16) Under what condition does a chemical reaction become endothermic?
- 17) Why is is double displacement reaction so named ?
- 18) It is Brown Mark known as hydrated ferric oxide it is formula is Fe<sub>2</sub>O<sub>3</sub> .H<sub>2</sub>O .
- 19) What is the difference between the following two reactions?
- Mg + HCl MgCl<sub>2</sub> + H<sub>2</sub>
- NaOH + HCl NaCl + H<sub>2</sub>O
- 20) Suggest two ways to check the rancidity of food articles
- 21) What is the role of oxidizing agent in a reaction?

22)Do all substance actually burn in combustion reactions ?

Short answer questions

- 23) What happened when:  
Carbon dioxide is bubbled through lime water
- a) In small amount
  - b) In excess
- 24) Aluminium is a reactive metal but is still used for packaging food articles why
- 25) Give one example of:
- a) Thermal decomposition reaction
  - b) Electrolytic decomposition reaction
  - c) Photo decomposition reaction
- 26) What are neutralization reaction why are there so name give one example
- 27) Why is combustion reaction an Oxidation reaction
- 28) Why does not silver evolve hydrogen on reacting with dilute sulphuric acid
- 29) How will you test whether the gas involved in the reaction is hydrogen

30) Solid calcium oxide was taken in a container and water was added slowly to it

a. State two observations made in the experiment

b. Write the name of the chemical formula of the product

31) What change in colour is observed when white silver chloride is left exposed to sunlight state

the type of chemical reaction in this change

32) What happens when an aqua solution of sodium sulphate react within aqua solution of

Barium Chloride state the the physical conditions of reactant in which the reaction between

them will not take place write the balanced chemical equation for the reaction and name the

type of reaction

33) What is a Redox reaction what a magnesium ribbon burns in air with dazzling flame and form

a white Ash is magnesium oxidized or reduced why

Long answer questions

34) Give reason:-

a) why cannot a chemical change be normally reversed

b) Why is it always essential to balance a chemical equation

c) Why do diamond and graphite the two allotropes form of carbon evolve different

amount of heat on combustion

d) Why does milkeness disappear when carbon dioxide is passed through lime water in

excess

e) Can rusting of iron takes place in distilled water

35) You are given the following materials :-

a) Iron nails

b) Copper sulphate solution

c) Barium Chloride solution

d) Copper powder

e) Ferrous sulphate crystal

f) Quicklime

Identify the type of chemical reaction taking place when

1) Barium Chloride solution is mixed with copper sulphate solution and a white

precipitate is observe

2) On heating copper powder in air in a China dish the surface of copper powder

becomes black

3) On heating green ferrous sulphate crystal reddish brown solid is left and a gas having

smell of burning sulphur is noticed

4) Iron nails When left dipped in blue copper sulphate solution become brownish in

colour and blue colour of copper sulphate solution fades away

5) Quicklime reacts vigorously with water releasing a large

		<p>amount of heat</p> <p>36) You are provided with two containers made up of Copper and Aluminium you are also provided with solution of dilute HCl dilute HNO<sub>3</sub> ZnCl<sub>2</sub> and water in which of the above containers can these solution be kept</p>
<b>6</b>	<b>BIOLOGY</b>	<ol style="list-style-type: none"> <li>1. Make a portfolio on Andaman and Nicobar Islands on the biodiversity found in living organisms, food chains and food web.</li> <li>2. Complete the assignment given of chapter 1 and 2.</li> <li>3. Make the mind maps of chapter 1 and 2.</li> <li>4. Draw the diagrams of all the physiological systems from chapter life processes.</li> </ol>
<b>7</b>	<b>HISTORY</b>	<p>history</p> <p>Chapter The Age of Industrialisation</p>
<b>8</b>	<b>GEOGRAPHY</b>	<p>Make a project on above chapter.</p> <p>Note: Minimum 20pages</p>
<b>9</b>	<b>ECONOMICS</b>	
<b>10</b>	<b>POLITICAL SCIENCE</b>	<p>Make a comparative project on Andaman and Nicobar islands and Delhi.</p> <p>Use these following points :</p> <ol style="list-style-type: none"> <li>1. Geo- political importance of both UTs</li> <li>2. Historical background</li> <li>3. Tourism and other economic activities.</li> </ol>
<b>11</b>	<b>IT</b>	<p>Make project on LAN WAN MAN</p> <p>Make model on communication barrier</p>