



SHANTINIKETAN JUBILEE SCHOOL

Affiliated to CBSE, New Delhi

Summer Vacation Hoilday Homework - 2023-24

CLASS :- X

{Mathematics}

- Write short note on :
(a) Carl Freidrich gauss (b) Aryabhatta (c) Aryabhatyam
(d) Fundamental theorem of arithmetic
- Make a project on Aryabhatta.
- Page no. 9 example 5, Ex - 1.2 Q. No. 6,7, Ex - 1.3 Q. No. 1,2, Ex - 8.1 Q. No. 6,10,
Ex - 8.2 Q. No. 3 Ex - 8.4 All questions

{English}

- Make a chart of determinerson a card board.
- make a list of American, British and Indian poets on a card board.
- Write a Sonnet (a14 lines poetry) by yourself.

{Science (Physics)}

- Do fair and learn Reflection.
- Draw ray diagram for image formation by concave as well as convex mirror.

(Chemistry)

- Write the chemical formulae of the following :
(a) Slaked lime (b) Hydrochloric acid (c) Lead Nitrate (d) Barium Sulphate
- Differentiate between exothermic and endothermic reaction.
- Why respiration is considered as exothermic reaction.
- Define decomposition reaction. Wxplain the various types of decomposition reaction.
- Find the oxidising and reducing agent in the following chemical reactions :
(a) $\text{ZnO} + \text{C} \rightarrow \text{Zn} + \text{CO}$ (b) $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$

(Biology)

- Why is diffusion insufficient to meet the oxygen requirements of multicellular organism like humans ?
- What criteria do we use to decide whether something is alive ?
- How is the role of liver in digestion of food in small intestine ?
- How is the small intestine designed to absorb digested food ?
- How is oxygen and carbon dioxide transported in human beings ?

{Social Science (History)}

- Write short notes on :
(a) German Unification (b) Frank Furt parliament
(c) Nationalism (d) Conservative Nationalists

(Civics)

- Revise Chapter 1 - Power Sharing
- Write different forms of power sharing and discuss the need of power sharing in modern democracy.

(Economics)

1. Revise chapter 1 - Development and do prepare of Questions
2. Discuss Average Income and National Income.

(Geography)

1. Do map activity to show the classification of soil found in India on physical map.

{SANSKRIT}

समास (पाठ्यक्रम के अनुसार) – सुन्दर नोटबुक में लिखकर और याद करके आना है।

वाच्य – कर्तृवाच्य से कर्मवाच्य, कर्मवाच्य से कर्तृवाच्य तथा कर्तृवाच्य से भाववाच्य बनाने के नियम के साथ 10–10 उदाहरण लिखना है।

पाठ – 3 “शिशुलालनम्” से शब्दार्थ लिखें। पाठ में प्रयुक्त सन्धियुक्त शब्दों का सन्धि (पाठ्यक्रम के अनुसार) बनाकर लाना है।

{HINDI}

क्षितिज – पाठ 1,2 काव्य व्याख्या तथा प्रश्नोत्तर,

पाठ 1,2 गद्य खण्ड प्रश्नोत्तर बनाए तथा 25 लघु प्रश्न स्वयं बनाए।

कृतिका – पाठ 1 प्रश्नोत्तर एवं 10 लघु प्रश्न स्वयं बनाए।

व्याकरण – वाक्य, प्रकार, परिवर्तन। परिभाषा – वाक्य प्रकार तथा वाक्य परिवर्तन करे।

लेखन – विज्ञापन – मोबाईल फोन, पंखा। ईमेल लेखन – किसी संस्था को ईमेल लिखें।