

ST. XAVIER'S SR. SEC. SCHOOL

Divine Nagar & Vidyanagar

HOLIDAY HOMEWORK 2020

Class – X (Ten)

English

- **English literature:**
- English literature: Read the following lessons and write down any 20 difficult words, their meanings and learn them
Lesson 1,2 (first flight)
Lesson 1,2 (footprints)
- Write a Portfolio on: A long to freedom (Auto - Biography) Nelson Mandela

Social Science

- Political science: learn lesson 1 and 2 (Power sharing and Federalism) and answer the questions that follows (NCERT)
- Geography: Learn Lesson 1 and 2 and answer the questions that follows (NCERT)
Map Work: India's political map, States and capital, Location of Iron and steel industries and Nuclear power plants form NCERT Books
- History: Read "Nationalism in Europe" and answer the questions that follows (NCERT)
- Economics: Read lesson 1 "Development" and answer the questions that follows (NCERT)
- Write a Portfolio on: Consumer Rights.

Mathematics

- **Activity**
- To obtain conditions for consistency of a system of linear equations in two variables by graphical method.
- To verify the basic proportionality theorem by parallel line board and triangle cut - outs.
- **Theory (N.C.E.R.T textbook)**
- Study and Solve the sums on Euclid's division lemma. Also solved examples and ex 1.1
- Study and Solve the sums on Fundamental theorem of arithmetic. Also solved examples and ex 1.2
- Theorem 1.3, to prove $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ is irrational. Also solve Ex 1.3,1.4
- Study and Solve the sums on Basic proportionality theorem and converse of B.P.T
- Also Solved examples and Ex 6.1,6.2

Physics

- Read and Learn lesson: 'Electricity' and answer the questions that follows.
- Experiment / Activity 1. To study the dependence of potential difference (v) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V and I.

Chemistry

Experiment - 1

- Action of water on quick lime
- Action of heat on ferrous sulphate
- Iron nails kept in copper sulphate solution

- Reaction between sodium sulphate and barium chloride solutions.
- Read and learn lesson 1: 'Chemical Reaction' and answer the questions that follow.

Biology

- Experimentally show that carbon dioxide is given out during respiration.
- NCERT: Read and learn from pages 93-100 and answer the questions that follow.
- Lab Manual: Write the biology experiments 1, 2 and 3 in your lab manual.

