THE DOON VALLEY PUBLIC SCHOOL, DEOBAND
HOLIDAY HOMEWORK (2017-18)
Class- X

English

❖Write an article in 120-150 words about – a) RTE b) Vocational Education

Hindi

15 सुविचार अर्थ सहित लिखिए। मित्रता विषय पर कविता लिखिए।
गद्यांष के 10, 11, 12, 13 पाठों में से तैयार कीजिए।
10 सरल वाक्य, 10 संयुक्त वाक्य, 10 मिश्र वाक्य,
डेंगू से बचाव विषय पर नुक्कड़ नाटिका लिख कर लाए।
Learn all work of PT-1

Maths

Ch-1 (Real Number):- Do any 25 sums from NCERT and Extra books.
Ch-2 (Polynomials):- Do any 25 sums from NCERT and Extra books .
Ch-6 (Triangles) State and prove Thales – Theorem, Pythagaras Theorem, converce of pythogaras Theorem also Do any 25 sums from NCERT and Extra books
Ch-15 (Probability):- Do nay 25 sums from NCERT and Extra book
Learn & Write tables from 2 to 25.

SST

- To make a project on Manmade Disaster or Natural Disaster.
  (Fire, Terrorism, Railway accident, Earthquake, Cyclones, Flood etc)
  Guidelines
  1. Total length of the project should not be more than 15 pages.
  2. The report on work project should be hand written.
  3.The Project report will be presented in the following manner:
  (a) Cover page
  (b) List of contents with page no.
  (c) Acknowledgements
  (d) Project Overview
  (e) Conclusion

Note:- The Project is to be submitted in a simple file.

- Working /Live Project
  - ✓ Rain Water Harvesting
  - ✓ Solar Energy
  - ✓ Wind energy
  - ✓ wildlife
  - ✓ Pollution

  Revise all the chapters of P.T.-1

Science

Physics

1. An electric lamp of 100 Ω, a toaster of resistance 50 Ω and a water filter of resistance 500 Ω are connected in parallel to a 220V source. What is the resistance of an electric iron connected to the same source that takes as much current as all three appliances and what is the current through it?

2. How can three resistors of resistance 2 Ω, 3 Ω and 6 Ω be connected to give a total resistance of a) 4 Ω b) 1 Ω

3. . What is (a) the highest (b) the lowest total resistance that can be secured by combinations of four coils of resistance 4 Ω, 8 Ω, 12 Ω and 24 Ω?

4. An electric motor takes 5A from a 220V line. Determine the power of the motor and the energy consumed in two hours>

5. Explain the following:- a) Why is tungsten used almost exclusively for filament of electric lamps? b) Why are the conductors of electric heating devices, such as toasters and electric irons, made of an alloy rather than a pure metal? c) Why is the series arrangement not used for domestic circuits? d) How does the resistance of wire vary with its area cross- section? e) Why are copper and aluminum wires usually employed for electricity transmission?

6. Prepare a PPT on Electricity.

Biology

Prepare a chart on any one topic given below:-

a) To prepare a temporary mount of a leaf peel to show stomata.

b) To show experimentally that light is necessary for photosynthesis.

c) Cross-section of a leaf

d) Human respiratory system

e) Sectional view of the human heart

e) Schematic representation of transport and exchange of oxygen and carbon dioxide

f) Excretory system in human beings

g) Structure of a nephron

Chemistry

Ch-1 Chemical Reaction & and equations NCERT exercise questions

Project:- To prepare a project on different type of corroision & methods to prevent them.