**SARASWATI VIDYA MANDIR SR.SEC SCHOOL NANGAL CHAUDHARY**

**SUMMER VACATION HOMEWORK**

**CLASS = 12th “LOTUS”**

**LITERATURE** :- Flamingo ( text Book)

1. The last lesson 2) Lost spring 3)Deep water 4) The Rattrap 5)Indigo
2. Going Places

Summary write and Question answer learn All these lesson comprehension Practice and assignment

**POETRY SECTION** :- 1) My mother at sixty six 2) An Elementary school classroom in a slum

1. Keeping quit 4) A thing of beauty 5) Aunt Jennifer’s tiger

Summary write and learn , Stanza Assignment

**(Text book)** 1) The tiger King 2) The Enemy Question – answer learn and summary write

**READING SKILL:**- Comprehension passage 30 Practice

**WRITING SKILL :**- **FIVE ARTICLE, FIVE SPEECH, FIVE REPORT,FIVE NOTICE, FIVE ADVERTISEMENT, FIVE FORMAL LETTER**,

**FIVE INFORMAL LETTER AND ONE APPLICATION FOR JOB WRITE AND LEARN**

**PHYSICS**

1. Draw an equipotential surface.

**i. In a uniform Electric field**

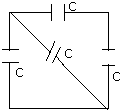
**ii. For a point charge >o**

1. How will the capacitance of a capacitor change when a dielectric slab is introduced between the

plated of a capacitor?

1. How does the resistivity of a conductor depends upon the no. density of free es and temp?
2. Show mathematically that the potential at a point on the equatorial line of an electric dipole is zero.
3. A hollow metal sphere of radius 5 cm is charged such that the potential on its surface is 10v. what is the potential at the centre of the sphere?
4. Calculate the coulomb force between a proton and an e separated by 0.8 x10-15**m.**
5. Calculate the value of electric field exactly balanced the weight of an e.
6. Two capacitors 3 Farad and 6 Forad are connected in series with 6V battery. Which one will

Have higher potential?

1. If plated of a charged capacitor are further separated while the capacitor is still connected to the charged battery. What will happen to the energy?
2.  Calculate the capacitance of an given network. It each capacitor is 5uf
3. The V-I graph for metal is shown in fig (below) which w which will have higher resistivity?

V

A

B

I

12. 27 drops of same size are charged at 220v each. They collapse to from a bigger drop. Calculate

the potential of the bigger drop.

13. A wire of resistance 5Ω is drawn out so that its length is increased to twice its original length. Calculate

its original resistance.

14. The storage battery of a car has an E.M.F. of 12v. If the internal resistance of the battery is 0.4Ω. What is the maximum current that can be draw x from the battery?

15. Why are thick copper wires used as connecting wire?

\* Do at least 20 numerical (unsolved) from each topic of Electrostics and current Electricity.

\* Ray optics & wave optics with numerical ( complete)

**CHEMISTRY**

1. Solve NCERT exercise of units 1,2,3,4,5,10 & 11
2. Solve question from NCERT Exemplar problems of

Units: Solid state, Solutions, Electrochemistry, chemical kinetics, Haloakanes & Haloarenes, Alcohols, ethers and phenol

Solve the Assignments of chapters – 1,2,3,4,5 11 & 12

**Math**

Chapter:- 1,2,3,4,5,6,7,8 complete in note book. (NCERT CORNER)

**Biology**

1. Reproduction in Organism
2. Sexual Reproduction in flowering Plants
3. Human Reproduction
4. Reproductive Health
5. Human Health & Diseases
6. Strategies for Enhancement in Food Production
7. Microbes in Human Welfare

Complete notebook and learn the chapters for test

**Physical Education**

Lesson 1 complete write and learn

Knowledge of common welth games in 2018.

History, Basic rules, ground measurement of Volley Ball, Cricket and Kabaddi