

STUDENT'S NAMECLASS XII A DATE OF SUBMISSION 02/07/2018

Chemistry

Revise and prepare for first periodic test . The following chapters have been caught

1. 'P' Block element (8 Marks According to blue print of CBSE)
2. Carbonyl Compounds (6 Marks According to blue print of CBSE)
3. Electrochemistry (5 Marks According to blue print of CBSE)
4. Chemistry in every day (3 Marks According to blue print of CBSE)
5. Polymers (4 Marks According to blue print of CBSE)
6. Biomolecules (4 Marks According to blue print of CBSE)

English

Practice writing skill questions NOTICE & ARTICLE WRITING from previous board papers
Read the novel 'THE INVISIBLE MAN' learn the Question Answer given .
Revise the lessons – My Mother at sixty –six, Tiger King, The Last lesson .
Writing skills – Notice , Article writing

Physics

Revise and prepare for the first periodic test
Complete the practical file (1st to IV Practical)
Solve the assignment given (Electrostatics)

- Q1. State Gauss's theorem in electrostatics
A charge of $17.7 \times 10^{-4} \text{C}$ is distributed over a large sheet of area 200m^2 . Calculate the electric field intensity at a distance of 20cm from it in air.
- Q2. Define electric dipole moment . Derive the Expression for the electric field of a dipole on the equatorial line of the dipole ?
- Q3. State Gauss's law in electrostatics using it derive an expression for the electric field due to an infinitely long straight wire of linear charge density .
- Q4. Two similarly and equally charged identical metal sphere A and B repel each other with a force of $2 \times 10^{-5} \text{N}$. A third identical uncharged sphere C is touched with A and then placed at the mid point between A and B calculate the net electric force on C.
- Q5. Drive an expression for the electric field at any point along the axial line of an electric dipole ?
- Q6. Two point charges +q and -2q are placed at the vertices B and C of an equilateral triangle ABC of side a-obtain the expression for (i) The magnitude , and (ii) the direction of the resultant electric field at the vertex A due to these two charges ?
- Q7. A dielectric slab of thickness 't' is kept between the plates of a parallel plate capacitor separated by a distance 'd' ($t < d$) Derive the expression for the capacity of the capacitor
- Q8. An Electric dipole is held in a Uniform electric field .
(i) show that net force acting on it is Zero
(ii) The dipole aligned parallel to the field . Find the work done in rotating it through the angle of 180°
- Q9. A Spherical conductor of radius 12cm has a charge of $1.6 \times 10^{-7} \text{C}$ distributed Uniformly on its Surface. What is the electric field
(iii) Inside the Sphere (ii) Just outside the Sphere (iii) at a point 18cm from the centre of sphere ?

Maths:-

Do assignment 1,2 and 3 given in the class

Physical Education

Chapter 1-3 viva after holidays

Assignment for Chapter 1,2,3 , long answer type questions to be done in subject note book