

HOLIDAY HOMEWORK CLASS- XII

CLASS XII-ENGLISH

- 1) Read the “Invisible Man by H.G.Wells and prepare 10 long answers
- 2) Read the chapters “The Enemy” & Evans tries an O’ Level from Vistes
- 3) Draft 2 notices, 2 advertisements, 2 posters, 2 invitations each {both formal and informal}

कक्षा बारही

.1 निम्नलिखित विषयों पर फीचर लिखिए।

१. चुनाव में जातिवाद का प्रभाव
२. राजनीति और देशभक्ति
३. युवा पीढ़ी और नव माध्यम

. 2 निम्नलिखित विषयों पर फीचर लिखिए।

१. खेलकूद और स्वास्थ्य
२. संचार विप्लव

HOLIDAY HOMEWORK

CLASS XII PHYSICS

1. Two point charges 0.2 C and 0.4C are placed 0.1m apart . Calculate the electric field at midpoint between the charges and at a point on the line joining the charges 0.05m away from 0.2C ?
2. Two point charges +16 μ C and -9 μ C are placed 8cm apart in air. Determine the position of the point at which the resultant field is zero?
3. The sum of two point charges is 7 μ C .They repel each other with a force of 1N when kept apart 30cm apart in free space .Calculate the value of each charge.

4. Two point charges placed at a distance r in air exert a force F on each other .At what distance will these charges experience the same force in a medium of dielectric constant k ?
5. Define electric field intensity at a point. Write its SI unit . If it is a vector quantity what is its direction?
6. Define electric flux .Write its SI unit . Is it a scalar or a vector quantity.
7. Define electric dipole moment .Write its SI unit .If it is a vector specify its direction.
8. What is an electric field line ? Write down the important properties of electric field lines.
9. Draw the electric field lines due to (a) point positive charge (b) an electric dipole
10. State and express Coulombs law in vector form
11. State and explain Gauss theorem
12. Prove the inverse square law dependence of electric field intensity due to a point charge using concept of electric field line.
13. Derive an expression for the electric field at a point due to a point charge
14. Derive expression for the electric field at a point along the (a) axial line and (b) equatorial line of an electric dipole
15. Explain what happens when an electric dipole is placed in an external (a) uniform electric field (b) non uniform electric field.

HEALTH & PHYSICAL EDUCATION

HOLIDAY HOMEWORK

CLASS XII

- 1) Application of physics in the field of physical education?

BIOLOGY

CLASS XII

Recording of twelve experiments in the lab record book