ASSIGNMENT

PHYSICS(Class XII)

1.Three charges + 3q + q and Q are placed on a st. line with equal separation. In order to maket the net force on q to be zero, the value of Q will be :

2. Twenty seven drops of mercury are charged simultaneously to the same potential of 10 volts. What will be potential if all the charged drops are made to combine to form one large drop ?

3. The resistance of a human body is about:

4. When we double the radius of a coil keeping the current through it unchanged, what happens to the magnetic field directed along its axis at far off points?

5. S.I. unit of flux is :

6. A transformer is used to light 100 W and 110 V lamp from a 220 V mains. If the main current is 0.5 A. Then the efficiency of the transformer is?

7. The average value of a cover a complete cycle is?

8. Light year is the unit of?

9. The part of a transistor which is heavily doped to produce a large number of majority carriers is?

10. The length of a half wave dipole at 30 mega-hertz is: