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## Sub-Phy(revision)  CI-XII   10/10/20

**Important Questions to be solved-**

1 V/m is the SI unit of which physical quantity?

2 Give two properties of equipotential surface.

3 Write down the dimensional formula (i) absolute permittivity (ii) electric field intensity (iii) electric dipole moment (iv) electron mobility

4 What is the value of dielectric constant of air and metal?

5 How does the Coulomb's force change if air between two point charges is replaced by a medium of dielectric constant 80?

6  Fill in the blanks-

(i)  The SI unit of electric dipole moment is…….

(ii)  Electric field intensity is a ……quantity.

(iii)  Coulomb's force is a ………force.

(iv)  Relative permittivity has no….and …

(v)  Electric potential is a ……..quantity and is measured by work done in bringing .......from infinite to a point.

(vi)  F/m is the SI unit of ………….

(vii)  The dimensional formula of capacitance is ………….

(viii)  Net charge on a capacitor is… ……

(ix)  1 eV is equal to ……….joule

(x)  Current density is a… ……quantity.

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