Class 12Sc.   Sub.   Physics (Unit 01 L 2)   Date 20 06 21

Answer the following questions in one word :-

1 How much is acquired by a charge of 1C in moving through a potential difference of 1V?

2 The electrostatic potential energy of two charges 1 microC each, placed 1m a part in vacuum is?

3 What is the electric field inside a conductor?

4 Which physical quantity is measured by the dot product of electric field and the area vector ?

5 How many joules are there in 1 MeV?

6 The SI unit of polarization vector is?

7 F/m is the SI unit of which physical quantity?

8 What is electric flux linked with the surface which encloses an electric dipole?

9 The dielectric constant of water is 80. What is its absolute permittivity ?

10 What is si unit of electric dipole moment?

11 For the maximum force between q and Q – q,what is value of q?

12 Write down the mathematical form of Coulomb's force in a medium of dielectric constant K?