

Dantan II Govt. General Degree College

Assignment for Internal evaluation

Part II , paper II ,General FM 45

Gr A, Marks 25

1.1 What is electrostatics potential and field relates them. What is the torque acting on dipole placed in an external field .

1.2 Find out the capacitance of a plane parallel capacitor . What is capacitive energy .

Or

2.1 State Biot Savart law and find out field for a straight conductor .

2.2 State Faraday's Laws and Lenz correction. Define self Inductance.

Gr B , Marks 20

1.1 What do you mean by Interference , Discuss the condition of interference .

1.2 Find out the Fringe width of Interference. State Brewster Law of polarization .

Or

2.1 Write down basic postulate of elasticity .Write down the Lorentz transformation equation.

2.2 What do you mean by binding energy and binding fraction . Discuss the nature of binding fraction with mass number.