## TE | SemI | CBGS | Electrical Engg | 22 Nov 2016

EFW

1 GHz.

Q.P. Code: 584002

2

6. a) Derive an expression of wave equation in terms of time varying electric and magnetic field.
b) A medium has following parameters:
10
μ<sub>r</sub> = 10, ε<sub>r</sub> = 2.5, σ = 10<sup>-4</sup> mho/m Determine α, β, γ, Vp, λ for frequency of