PHYSICS GE ASSIGNMENT [*]

SEMESTER IV

TOTAL MARKS 10

submit to the email address : physicsubtec@gmail.com
last date of sumission 17 th May 2021 with in 5pm

1. Two concentric hollow spheres of radius a and b $(b > a)$. If inner sphere (of radius a) be charged with +q and outer sphere (of radius b) be grounded ,then find out the capacitance of the system. +2.5

2. Write a short note about Electric Displacement vector $\vec{D}$. +2.5

3. Determine magnetic field intensity at a point on the axis of a circular current carrying coil. +2.5

4. Determine the amount of dissipated energy due to Hysteresis in case of any Ferromagnetic material. +2.5