1. Deduce magnetic field intensity for an infinite wire/ finite wire along Z axis

2. Explain Maxwell's equations for electrostatics and magnetostatics in both point form and integral forms. Also, write the constitutive relationships

3. Explain Faraday's law with examples

4. Deduce the equation for displacement current

5. Derive the general wave equations for electric field intensity and magnetic field intensity

6. Numerical on Ampere's law

7. Numerical on Stoke's theorem

8. Numerical on curl operator in all the three coordinate systems