

24th Nov

Lect 16. Magnetic field, Biot-Savart law, Gauss law in magnetism, Ampere's circuital law its application, Ampere's circuital law in differential form, Equation of continuity.

Lect 17. Faraday's law of em induction, Maxwell's displacement current, Modified Ampere's circuital law, Maxwell's eqns, Unit VI. Wave eqn in charge free non-con space (\mathbb{R}^3)

Lect 18. Rest of electromagnetic waves, introduction to QM.

Lect 19* (taken during lab for $B \perp E_2$)

Characteristics of wave f^m , S's eqns, free particle, potential step, potential barrier.

Lect 19. (general) Characteristics of wave f^m , Schrodinger's T.D. & T.I. eqns and application to free particle.