

## Chapter 32

- Displacement Current, G's law for B, M's eqns
- EM Waves, Propagation, speed, spectrum
- Energy, Poynting Vector

## Chapter 33:

- Snell's Law, Total Internal Reflection
- Spherical Mirrors, Mirror Eqn

## Chapter 34:

- Thin Lens Ray Tracing; Lens Eqn
- Combining Lenses
- Lens Makers Eqn

## Chapter 35:

- Interference – max/min, and intensity
- Thin Films

Chapter 32: 35, 37, 39, 41, 45, 47 (hard)

Chapter 33: 59, 61, 63 (hard), 65, 69

Chapter 34: 73, 75, 77, 79, 83 (hard)

Chapter 35: 37, 39, 41, 43, 45, 49

There are also the problems specific to each section