

E&M Waves (Y&F chapter 32)

1. [30] Y&F 32.10. Fields.
2. [10] Y&F 32.18. Power.
3. [30] Y&F 32.35. Standing Wave.

Suggested exercises: 32.11, 32.22, 32.33

Light Waves (Y&F chapters 33, 35, 36)

4. [20] Y&F 33.24. Dispersion.
5. [20] Y&F 33.28. Polarization.
6. [20] Y&F 35.33. Thin Film.
7. [20] Y&F 36.32. Grating.

Suggested exercises: 35.35, 36.33

Particles and Waves(Y&F chapters 38, 39)

8. [30] Y&F 38.2. Photons.
9. [30] Y&F 39.9. Photon versus Electron.
10. [40] Y&F 39.13. Electron Diffraction.

Suggested exercises: 38.4, 39.16