

1. Kinematics, rotation
2. Laws of motion, including friction
3. Work, energy
4. Collisions and rotational dynamics
5. Properties of matter, Thermodynamics
6. Oscillations and waves
7. Electrostatics
8. Current electricity, Alternating currents
9. Magnetism
10. Electromagnetic induction
11. Ray Optics
12. Electromagnetic waves, Wave optics
13. Photoelectric effect, atomic physics
14. Nuclear physics
15. Solids and semiconductor devices