**Blueprint**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Domain** | **Topic** | **Remembering** | **Understanding** | **Applying** | **Analyzing** | **Evaluating** | **Total Items** | **Item %** |
| Mechanics | Kinematics and Dynamics | 1 (E) | 0 | 1 (M) | 0 | 0 |  |  |
| Work, Energy, and Power | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Fluid Mechanics | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Simple Harmonic Motion | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Equilibrium of Forces | 0 | 1 (M) | 0 | 0 | 0 |  |  |
| Simple Machines | 0 | 0 | 1 (M) | 0 | 1 (M) |  |  |
| Friction | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Total |  | 1 | 1 | 6 | 0 | 1 | 9 | 22.5% |
| Heat and Thermodynamics | Thermal Properties | 1 (E) | 1 (M) | 0 | 0 | 0 |  |  |
| Heat Transfer | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Kinetic Theory | 0 | 1 (M) | 0 | 0 | 0 |  |  |
| Thermodynamics | 0 | 0 | 2 (2M) | 0 | 0 |  |  |
| Total |  | 1 | 2 | 3 | 0 | 0 | 6 | 15% |
| Waves | Waves, Wave Properties | 0 | 1 (M) | 1 (M) | 0 | 0 |  |  |
| Optics | 1 (E) | 1 (M) | 2 (2M) | 0 | 0 |  |  |
| Total |  | 1 | 2 | 3 | 0 | 0 | 6 | 15% |
| Electromagnetism | Electrostatics | 0 | 1 (M) | 1 (M) | 0 | 0 |  |  |
| Current Electricity | 2 (E) | 2 (M) | 3 (M) | 1 (H) | 0 |  |  |
| Magnetism | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Electromagnetic Induction | 0 | 1 (M) | 0 | 0 | 0 |  |  |
| Total |  | 2 | 4 | 5 | 1 | 0 | 12 | 30% |
| Modern Physics | Atomic Structure | 1 (E) | 0 | 0 | 0 | 0 |  |  |
| Photoelectric Effect | 0 | 1 (M) | 0 | 0 | 0 |  |  |
| Radioactivity | 1 (E) | 0 | 2 (2M) | 0 | 1 (H) |  |  |
| Electronics | 0 | 0 | 1 (M) | 0 | 0 |  |  |
| Total |  | 2 | 1 | 3 | 0 | 1 | 7 | 17.5% |
| **G. Total** |  | 7(17.5%) | 10(25%) | 20(50%) | 1(2.5) | 2(5%) | 40 | 100% |