

Syllabus for written examination for the post of
Junior Technician - Physics

JT syllabus Proposed

One mark MCQ based on the following topics

Theory: 50%

- Measurement, Units & Dimensions
- Kinematics, Laws of Motion, Work, Energy and Power
- Motion of System of Particles and Rigid Body
- Mechanics of Solids and Fluids
- Heat and Thermodynamics
- Waves & Oscillations
- Electrostatics, Current electricity, Magnetic Effects of Current and Magnetism
- Electromagnetic Induction, Alternating Current and Electromagnetic waves
- Optics: Geometrical and Wave Optics
- Modern Physics: Dual Nature of Matter and Radiations, Atomic Physics, Nuclear Physics
- Solids and Semiconductor Devices
- Principles of Communication
- Basic Solid State Physics

Experiments: (50%)

B. Sc. Level experiments followed by major Indian Universities on the following topics

- Mechanics
- Optics
- Electronics
- Modern Physics
- Basic Solid State Physics