

**Syllabus for the Post of Junior Technical Superintendent (AMRC)
& Junior Lab. Assistant (AMRC)**

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Written Exam Syllabus

- **Microscopy:** Scanning Electron Microscope, Transmission Electron Microscope, Confocal Microscope, Optical Microscope etc.
- **Spectroscopy:** Nuclear Magnetic Resonance spectrometer, Photoemission Spectrometer (XPS), Raman Spectrometer, Laser Spectrometer, Mass spectrometer, Spectrophotometer etc.
- **Physical Property:** X-Ray Diffractometer, Electrical Transport, Thermal Transport, Magnetometers, Chemisorption, Rheometer, Thermo-gravimeter Analysis, Chromatography, etc.
- **Others:** High and low pressure and temperature techniques, Chemical and general safety guidelines etc. "