

**Syllabus and Scheme of written examination for the Post of  
Junior Technical Superintendent (AMRC) & Junior Lab. Assistant- Technical (AMRC)  
Advertisement No. IITMandi/Recruit./NTS/2022/01 dated 28.07.2022**

***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. "

***Written Exam Scheme***

- Objective type questions
- Short Question (20-40 words)
- Brief Notes (250-350 words)
- Brief Technical Notes (400 - 500 words)