

Geology 2022-23

Equipments

Sl.no.	Name of equipment	Number required
1.	<p>Petrological Microscope</p> <p><i>Specifications:</i> A Microscope (mono ocular) for thin sections (both minerals and rocks) in transmitted polarised light. Illumination by plano concave Mirror. Coarse focussing adjustment effected by Rack and Pinion, fine focussing adjustment from both sides with graduated right drum, each division equals 2/1000mm. Triple / Quadruple Revolving Ball bearing type; Self Centered Nosepiece. Circular centering rotatable stage with degree calibration, with two lens aplanatic abbe condenser with rotatable polariser mount having 15 Degree calibration. Analyser provided in a slide, which can be swung in and out of the Microscope Tube. The Polaroids should be of high grade and have good performance. It should be equipped with a Bertrand lens which can be swung in and out, with a slot size 12mm x 4mm provided in the tube at 45 degree to the polarizer axis for compensators.</p> <p>Objectives- 3 objectives (self centred and strain free) / 5x, 10x & 40x of own make (Superior), 2 Hugenian eyepiece 10x (Cross hair) & 15x/20x.</p> <p>Microscope Body should be with Circular Stage & Swing out Polarizer, Analyzer Unit, Bertrand Lens Plate and Accessory slot. Compensators: Mica Quarter Wave and Gypsum Red Ist Order plates, Quartz wedge Ist to IVth order. Cleaning Cloth, Dust Cover, Wooden box</p>	2
2	<p>Automated Dumpy Level 32X Magnification with Tripod and the Staff</p> <p>Magnification-32X, Horizontal Circle-360°graduations, Compensator-Magnetic Damping, Objective Aperture-34mm, Weight-1.8kg.</p>	1



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