


MINE GEOLOGY-I LAB

SL. NO	NAME OF EXPERIMENT	PHOTOGRAPHS	LIST OF EQUIPMENTS
1	<u>Identification of Minerals</u>		<p><u>Rock forming minerals-</u> Talc,Gypsum ,Calcite flourite,Apatitite,Orthoc lase Feldspar,Quartz,Topaz, Corrundum,Chalcedony, Serpentine,jasper green,biotite,muscovite ,Garnet,Staurolite.Neph elene,Greenish Appophyllite,Stilbite,Ho rnblende,</p> <p><u>Ore forming mineral-</u> Azunite,Barite,Pyrolusit e,stibnite,Magnesite,He matite-Fe- Ore,Psilomelane,Botroi dal MN- O,Galena,Pyrite,Malachi te,Sphalerite,Geothite</p> <p>Mohr's Scale of hardness box, Stric plate, Pocket stereo scope,Diamond pencil, horse shoe magnet</p>
2	<u>Specific Gravity by Steel yard Balance</u>		

3	<u>Analysis of Thin section of Minerals and Rocks</u>	<p><u>THIN SECTION OF MINERAL</u> Actinolite, albite, aragonite, asbestos, augite in rock, barite, beryl, biotite, calcite, chalcedony, chlorite in schist, cordierite, corundum, dolomite, dumortierite, epidote, feldspar alkali, garnet, graphite, gypsum, hornblende, hypersthene, jasper green, kyanite, labradorite, nephelene, orthoclase, staurolite, talc, tourmaline.</p> <p><u>THIN SECTION OF ROCKS</u> Actinolite Amphibolite Amygdaloidal Ankaramite Anorthosite Arkose Biotite granite gneiss Breccia Charnockite Dolerite Gabbro Garnet mica gneiss Granite Granodiorite Khondalite Lamprophyre Laterite Limestone fine grain Mafic granulite Marble dolomitic Mica schist Nephelene syenite Norite Pegmatite Phyllite Quartzite Sandstone medium grain Syenite Volcanic tuff Micro scope</p>
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MINE GEOLOGY-II LAB

SL. NO	NAME OF EXPERIMENT	PHOTOGRAPHS	LIST OF EQUIPMENTS
1	Megascopic identification of Igneous rocks		Pegmatite, Basalt, Neohelene, Syenite, Granite, White, Bassalt, Syenite, Rhyolite, Pitch stone, Near Dolerite, Gabbro, Dolerite, Near Dolerite, Dunite, Anorthite, Anorthosite, Vesicular Basalt. Pocket Stereoscope
2	Megascopic identification of Sedimentary rocks		Lime stone black, lime stone porbound, carbonaceous shale, grit, limestone fossiliferous, limestone paraminifera, coal, limestone white, Limestone yellow, golden bolitic limestone, sandstone bhuj, Arkose, conglomerate, Limestone Caroline, sandstone yellow ferruginous, breccia, shale black, Vindhyan sandstone.
3	Megascopic identification of Metamorphic rocks		Mica schist, kynite schist, granite mica greiss, charnokite, makrana marble, unakite, greiss banded, khondalite, shate, caclsilicate rock, phtllite, garnet granulite, talc schist, granite gneiss, quartzite, augen gneiss, fuchs site quartzite
4	Interpretation of contour maps		

5	Interpretation of geological maps		
6	Describe the specific gravity of small specimen		