
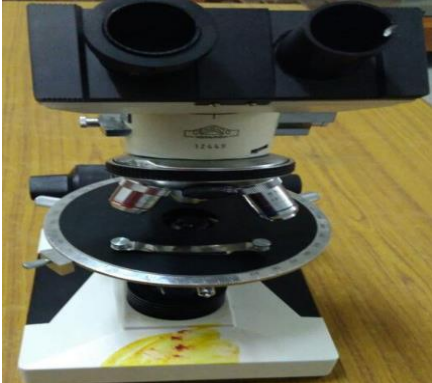










VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ENGINEERING GEOLOGY LABORATORY

List of Equipments		
1.	Minerals specimens	
2.	Petrological Microscope	
3.	Streak Plates	
4.	Hardness Box-Practicing kit	

5.	Fracture Box-Practicing Kit	 <p>rocksmins® The Geology People... MINERALS FRACTURE COLLECTION</p> <p>Fracture - Fracture represents a mineral break other than along a cleavage or parting plane. Breaks may occur in any direction but are usually around some imperfection in the mineral.</p> <table border="0"> <tr> <td>1 Even Fracture</td> <td>LIMESTONE</td> <td>6 Subconchoidal Fracture</td> <td>SMOKY QUARTZ</td> </tr> <tr> <td>2 Uneven Fracture</td> <td>BERYL</td> <td>7 Subconchoidal Fracture</td> <td>ROSE QUARTZ</td> </tr> <tr> <td>3 Uneven Fracture</td> <td>CHROMITE</td> <td>8 Splintery Fracture</td> <td>AZURITE</td> </tr> <tr> <td>4 Conchoidal Fracture</td> <td>OBSIDIAN</td> <td>9 Splintery Fracture</td> <td>SERPENTINE</td> </tr> <tr> <td>5 Conchoidal Fracture</td> <td>AGATE</td> <td>10 Hackly Fracture</td> <td>COPPER</td> </tr> </table>	1 Even Fracture	LIMESTONE	6 Subconchoidal Fracture	SMOKY QUARTZ	2 Uneven Fracture	BERYL	7 Subconchoidal Fracture	ROSE QUARTZ	3 Uneven Fracture	CHROMITE	8 Splintery Fracture	AZURITE	4 Conchoidal Fracture	OBSIDIAN	9 Splintery Fracture	SERPENTINE	5 Conchoidal Fracture	AGATE	10 Hackly Fracture	COPPER
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6.	Luster Box- Practicing Kit	 <p>rocksmins® The Geology People... MINERALS LUSTER COLLECTION</p> <p>Luster - Luster is the property of minerals that indicates how much the surface of a mineral reflects light. The luster of a mineral is affected by the brilliance of the light used to observe the mineral surface.</p> <table border="0"> <tr> <td>1 Metallic Luster</td> <td>PYRITE</td> <td>6 Pearly Luster</td> <td>TALC</td> </tr> <tr> <td>2 Adamantine Luster</td> <td>GARNET</td> <td>7 Shining Luster</td> <td>CALCITE</td> </tr> <tr> <td>3 Vitreous Luster</td> <td>QUARTZ</td> <td>8 Submetallic Luster</td> <td>HEMATITE</td> </tr> <tr> <td>4 Resinous Luster</td> <td>SULPHUR</td> <td>9 Dull Luster</td> <td>BORAX</td> </tr> <tr> <td>5 Greasy Luster</td> <td>GRAPHITE</td> <td>10 Metallic Luster</td> <td>CHALCOPYRITE</td> </tr> </table>	1 Metallic Luster	PYRITE	6 Pearly Luster	TALC	2 Adamantine Luster	GARNET	7 Shining Luster	CALCITE	3 Vitreous Luster	QUARTZ	8 Submetallic Luster	HEMATITE	4 Resinous Luster	SULPHUR	9 Dull Luster	BORAX	5 Greasy Luster	GRAPHITE	10 Metallic Luster	CHALCOPYRITE
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7.	ClinometerCompass	 <p>BRUNTON</p> <p>TruArc™ 15 MIRRORED PROFESSIONAL BOUSSOLE PROFESSIONNEL PROFESSIONELLES KOMPASS</p>																				
8.	Cleavage Box-Practicing Kit	 <p>rocksmins® The Geology People... MINERALS CLEAVAGE COLLECTION</p> <p>Cleavage - Cleavage is the tendency of minerals to break along preferred directions. Some minerals tend to have one direction of cleavage.</p> <table border="0"> <tr> <td>1 Basal</td> <td>MICA</td> <td>6 Pinicoidal</td> <td>BARITE</td> </tr> <tr> <td>2 Basal</td> <td>TALC</td> <td>7 Rhombohedral</td> <td>CALCITE</td> </tr> <tr> <td>3 Cubic</td> <td>GALENA</td> <td>8 Rhombohedral</td> <td>DOLOMITE</td> </tr> <tr> <td>4 Cubic</td> <td>HALITE</td> <td>9 Rhombohedral</td> <td>MAGNESITE</td> </tr> <tr> <td>5 Octahedral</td> <td>FLUORITE</td> <td>10 Prismatic</td> <td>ORTHOCLASE</td> </tr> </table>	1 Basal	MICA	6 Pinicoidal	BARITE	2 Basal	TALC	7 Rhombohedral	CALCITE	3 Cubic	GALENA	8 Rhombohedral	DOLOMITE	4 Cubic	HALITE	9 Rhombohedral	MAGNESITE	5 Octahedral	FLUORITE	10 Prismatic	ORTHOCLASE
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9.	Pocket knife magnetized	
10.	Rock specimens	
11.	Wooden blocks showing structural geology	