

Practical Geology for Engineering Students

Lab No.

Name of Student

Metamorphic Lab

Texture		Agent	protolith	Rock name	Grain size	Grade	Kind of met.
cataclastic		Pressure	acid/int ign.	1-Mylonite	Variably crushed	Low	Dynamic
Granular	granoblastic	Heat	Limestones	2-marble	Fine/medium /coarse	Measured by G. size & index minerals	Thermal
	hornfels		Shale /Basic ign.	3-hornfels			
Foliated	Slaty cleavage	Pressure & Heat	Shale	4-Slate	Fine	Low	Regional
	Phyllitic sheen		Shale	5-phyllite	Fine (> slate<schist)	Low	
	schistose		Shale	6- Schist	Medium	Medium	
	Gneissose		Shale	7- Gneiss	Medium to Coarse	High	
Banded (Foliated + granular)			Shale	8-Migmatite	Alternated fine & (medium-coarse)	V. High (Extreme)	

No	Texture structure	Agent of met.	Grain size	Mineral composition	Grade of met.	Kind of met.	Possible protolith	Rock Name
1
2
3
4
5
6
7
8

Signature of Demonstrator