

Dhanya Raj

GHSS Kottayam Malabar, Kannur

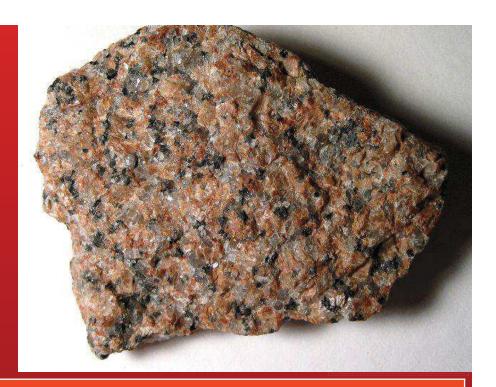
Pushpa.P

GHSS Chemnad Kasaragod



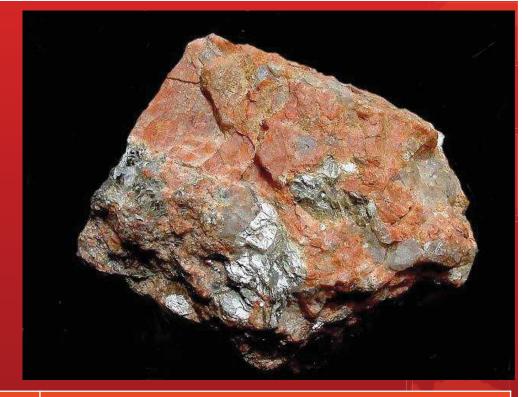


GRANITE



TEXTURE	Coarse grained, holocrystaline, phaneritic, equigranular/porphyritic
MINERALOGY	
Major minerals	:Quartz, Feldspar
Minor minerals:	:Biotite , Hornblende
TYPE	Felsic plutonic igneous rock
This rock is identified as GRANITE	

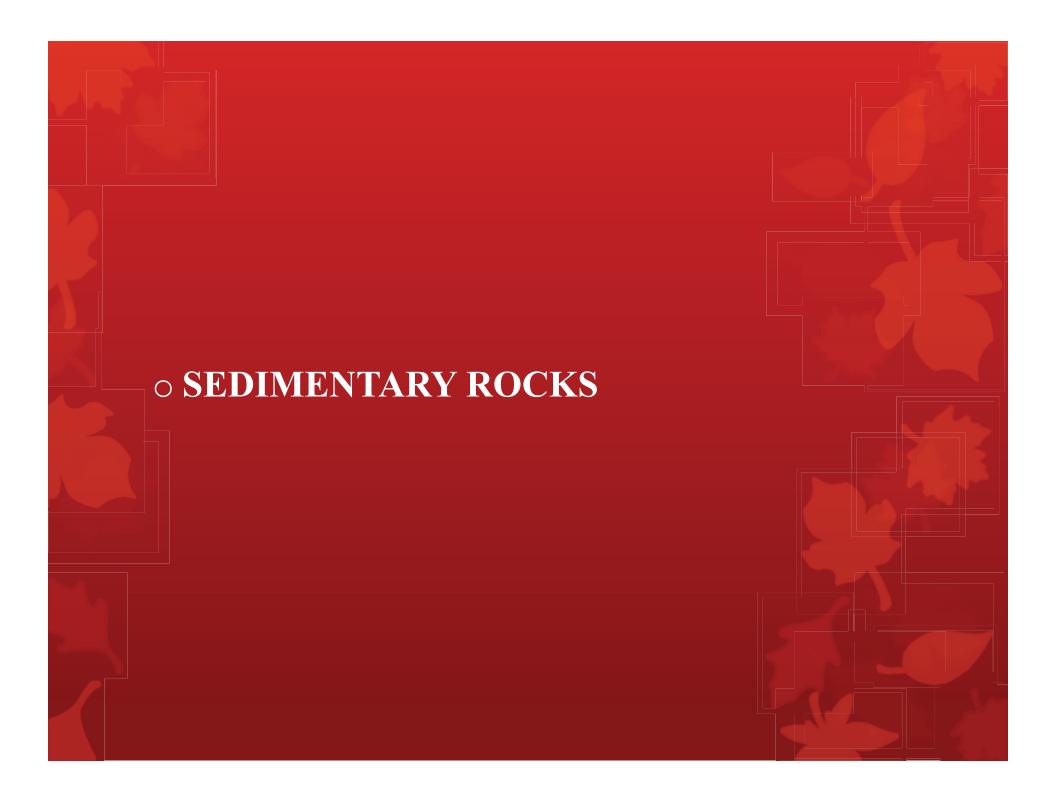
PEGMATITE



TEXTURE	Holocrystaline phaneritic very coarse grained pegmatitic Equigranular
MINERALOGY Major minerals	: Quartz, Feldspar
Minor minerals	: Biotite, Muscovite
TYPE	Felsic plutonic igneous rock
This rock is identified as PEGMATITE	



TEXTURE	Holohyaline Aphanitic, Fine grained, Equigranular
MINERALOGY Major minerals	: Feldspar, Ca Plagioclase and Pyroxene
Minor minerals	: Olivine
TYPE	Mafic volcanic igneous rock
This rock is identified as BASALT	



SANDSTONE

This rock is identified as SANDSTONE



TEXTURE /STRUCTURE	Clastic, rounded and coarse grained
MINERALOGY	
Major minerals	: Quartz
Minor minerals	: Feldspar, Garnet
ТҮРЕ	Clastic sedimentary rock

LATERITE



TEXTURE /STRUCTURE	Reddish porous Oolitic
MINERALOGY Major minerals	: Limonite
Minor minerals	:Quartz
ТҮРЕ	Residual sedimentary rock

This rock is identified as LATERITE

SHALE



TEXTURE /STRUCTURE	Clastic fine grained, lamination present
MINERALOGY Major minerals	: Clay sized particles,< 1/256 mm
Minor minerals	:Fine matrix
TYPE	Clastic sedimentary rock
This rock is identified as SHALE	



CHLORITE SCHIST

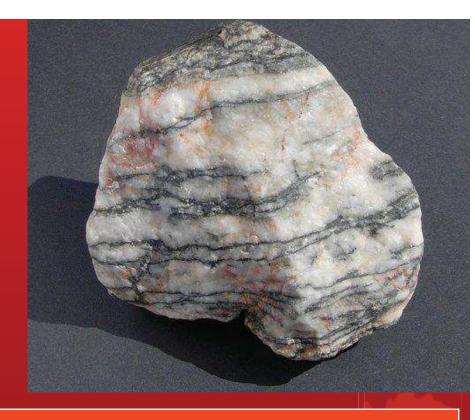


TEXTURE /STRUCTURE	Medium to coarse Grained
MINERALOGY	: chlorite
Major minerals	. CHIOTILE
Minor minerals	:Quartz, Garnet
TYPE	Foliated metamorphic rocks

This rock is identified as CHLORITE SCHIST

SPECIMEN NO:8

GNEISS



TEXTURE /STRUCTURE	Alternating layers of light (felsic) and dark (mafic) minerals Medium to coarse grained
MINERALOGY Major minerals	: Feldspar, Quartz
Minor minerals	:Hornblende, Garnet
TYPE	Foliated metamorphic rocks
This rock is identified as GNEISS	

SLATE



TEXTURE /STRUCTURE	Fine grained, minerals not visible
MINERALOGY Major minerals	:Very fine grained ,no visible minerals . Minerals with basal cleavage: commonly mica , graphite, etc
Minor minerals	:Very fine grained, no visible minerals
ТҮРЕ	Foliated metamorphic rocks
This rock is identified as SLATE	

QUARTZITE



TEXTURE /STRUCTURE	Granular, Medium to coarse grained and non oriented grains
MINERALOGY Major minerals	:Quartz
Minor minerals	:Feldspar
ТҮРЕ	Non Foliated metamorphic rocks
This rock is identified as QUARTZITE	