



SNS COLLEGE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

COIMBATORE-35

II BE / III SEMESTER

UNIT III

19CET201-ENGINEERING GEOLOGY



SYLLABUS

Classification of rocks, distinction between Igneous, Sedimentary and Metamorphic rocks. Engineering properties of rocks. Description, occurrence, engineering properties, distribution and uses of Granite, Dolerite, Sandstone, Limestone, Shale, Quartzite



LIMESTONE

- These are the most common sedimentary rocks from the non clastic group and are composed chiefly of carbonate of calcium with subordinate proportions of carbonate of magnesium.





LIMESTONE

Composition:

- Pune limestone is invariably made up of mineral calcite (CaCO_3). In the limestone rock formations, however, presence of dolomite $\text{CaMg}(\text{CO}_3)_2$, quartz, (SiO_2) fespars minerals and Iron Oxide is rather a common feature.

Texture:

- The most important textural feature of limestones is their fossiliferous nature. Other varieties of limestones show dense and compact texture. Some may be loosely packed and highly porous. Others may be compact and homogenous.



LIMESTONE

Types:

1. Chalk
2. Shelly limestone
3. Argillaceous limestone
4. Lithographic limestone





THANK YOU..

