

Core Course-III: Theory- Igneous Petrology

Block-I Igneous Rocks

Unit-1 Introduction to Petrology and Classification of Rocks

Unit-2 Origin and types of Magmas

Unit-3 Composition and constitution of magmas

Block-II Igneous Rocks Properties

Unit-4 Forms of Igneous rocks

Unit-5 Structures of igneous rocks

Unit-6 Textures and Microstructures of Igneous rocks

Block-III Igneous Processes

Unit-7 Crystallization of magmas

Unit-8 Concept of rock series, system, phase and components

Unit-9 Rock Associations

Block-IV Igneous rocks: Origin and Classification

Unit-10 Origin of Igneous Rocks

Unit-11 Classification of igneous Rocks

Unit-12 Description of igneous rocks

Core Course-III Practical -Igneous Petrology

Block -I Igneous Rocks-1

Unit-1 Textures of Igneous Rocks

Unit-2 Structure of Igneous Rocks

Unit-3 Megascopic Identification of Plutonic Rocks

Unit-4 Megascopic Identification of Hypobysal Rocks

Block -II Igneous Rocks-2

Unit-5 Megascopic Identification of Volcanic Rocks

Unit-6 Microscopic Identification of Plutonic Rocks

Unit-7 Microscopic Identification of Hypobysal Rocks

Unit-8 Microscopic Identification of Volcanic Rocks