

CBCS Scheme

USN

--	--	--	--	--	--	--	--	--	--

15MN33

Third Semester B.E. Degree Examination, June/July 2017 Mining Geology - I

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Explain the Internal structure and composition of the Earth. (08 Marks)
b. Describe the Geological work of Glaciers. (08 Marks)

OR

- 2 a. What is an Earthquake? Explain its causes and effects. (08 Marks)
b. What is a Volcano? Describe the central type of volcano. What are its products? (08 Marks)

Module-2

- 3 a. Describe the QUARTZ – Group of minerals. (08 Marks)
b. Describe the Fracture of minerals. (04 Marks)
c. Describe the Lustre of minerals. (04 Marks)

OR

- 4 a. What is a Rock? Explain the different types of rocks with examples. (08 Marks)
b. Add a note on the classification of sedimentary rocks depending upon the grain size. (04 Marks)
c. What are the Agents and kinds of metamorphism? (04 Marks)

Module-3

- 5 Describe the Texture, Structure, Mineral composition occurrence and uses of
a. Granite and Basalt. (08 Marks)
b. Dunite and Sandstone. (08 Marks)

OR

- 6 Describe the Texture, Structure, Mineral composition occurrence and uses of
a. Limestone and Marble. (08 Marks)
b. Pegmatite and Slate. (08 Marks)

Module-4

- 7 a. What are Fossils? Explain their uses. (08 Marks)
b. Describe the Physio geographic divisions of India. (08 Marks)

OR

- 8 a. Explain Geological clock and Law of Order of Superposition. (08 Marks)
b. Describe the Cuddapah group of rocks of India. (08 Marks)

Module-5

- 9 a. What is Dip and Strike? With a neat diagram, explain the instrument used to measure them. (08 Marks)
b. What are Faults? With a neat diagram, explain the Normal Fault and Reverse Fault. (08 Marks)

OR

- 10 a. With a neat diagram, explain stratification and current bedding structure. (08 Marks)
b. What is an Unconformity? With a neat diagram, explain the Angular Unconformity. (08 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8=50, will be treated as malpractice.