



CBCS SCHEME

15MN62

Sixth Semester B.E. Degree Examination, June/July 2019 Mineral Processing and Fuel Technology

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Write a short note on Proximate analysis. (08 Marks)
b. Write short note on Natural gas. (08 Marks)

OR

- 2 a. Write a note on Low temperature Carbonization. (08 Marks)
b. Write a note on High temperature Carbonization. (08 Marks)

Module-2

- 3 a. What are the objectives of Mineral processing? (08 Marks)
b. What are the scope of Mineral processing? (08 Marks)

OR

- 4 a. With sketch, explain the principles of Communication. (08 Marks)
b. Explain about the theories of Communication. (08 Marks)

Module-3

- 5 a. With neat sketch, explain the construction and working of Blake Jaw Crasher. (08 Marks)
b. With neat sketch, explain the working principle of Ball mill. (08 Marks)

OR

- 6 a. With neat sketch, explain the working of vibrating grizzly. (08 Marks)
b. With a neat sketch, explain the working principle of hydro cyclone. (08 Marks)

Module-4

- 7 a. With a neat sketch, explain the working principle of jigging. (08 Marks)
b. With a neat sketch, explain the working principle of shaking table. (08 Marks)

OR

- 8 a. With a neat sketch, explain the working principle of Davera cell (floatation cell). (08 Marks)
b. With a neat sketch, explain the working principle of dry – drum separator. (08 Marks)

Module-5

- 9 a. With a neat sketch, explain about washability curve. (08 Marks)
b. With a neat sketch, explain the working of Thickening Process. (08 Marks)

OR

- 10 a. With a neat sketch, explain the process of drying. (08 Marks)
b. Draw the flowsheet of coal washing and explain them in detail. (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.