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10MN71

Seventh Semester B.E. Degree Examination, June/July 2019
Mine Planning and Design

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Explain on Mine safety and Health influence in mining by Role of Government. (10 Marks)
b. Write notes on Environment consequences in Mining industry. (10 Marks)
- 2 a. Explain on land Acquisition for planning and Development of Mining. (10 Marks)
b. Explain on permission to be obtained from activities to start mines. (10 Marks)
- 3 a. Write the selection of mine site for mining. (10 Marks)
b. Write the geological aspect of mining. (10 Marks)
- 4 a. Write notes on the surface layouts for mining. (10 Marks)
b. Write notes on mine transport systems. (10 Marks)

PART – B

- 5 a. Write notes on mine life and mine capacity of production. (10 Marks)
b. Write notes on various cost of mining operation. (10 Marks)
- 6 Write notes :
a. Adits (08 Marks)
b. Vertical shaft (08 Marks)
c. Shaft and cross cub. (04 Marks)
- 7 a. Write notes on planning of coal mines. (10 Marks)
b. Write notes on closure of mines, sealing and abandonment of mine. (10 Marks)
- 8 Write notes coal mining methods and systems. (20 Marks)

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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.