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10MN831

Eighth Semester B.E. Degree Examination, Dec.2019/Jan.2020

Mine Transport System

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 the Mine Transport System by gravity. (10 Marks)
b. Explain the underground conveyor Transport system. (10 Marks)
- 2 a. Write note on special belt conveyor (cable belt) shaked system. (10 Marks)
b. Explain with sketch snapper haulage. (10 Marks)
- 3 a. Write note on construction of rail track. (10 Marks)
b. Explain on man riding cars. (10 Marks)
- 4 a. Explain on the equipments of rope haulage. (10 Marks)
b. Explain an scope of application of Rope haulage. (10 Marks)

PART – B

- 5 a. Write on different types of locomotives. (10 Marks)
b. Explain the Mine Trucks and their application. (10 Marks)
- 6 Write with neat diagram of Hydraulic transportation by gravity and pumps. (20 Marks)
- 7 a. Write notes on construction of aerial ropeway. (10 Marks)
b. Write the principle and application of ropeway. (10 Marks)
- 8 a. Write the maintenance arrangement of management and safety of Mine Transport System. (10 Marks)
b. Write notes on remote monitoring and control on mine transport system. (10 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.