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Eighth Semester B.E. Degree Examination, Jan./Feb. 2021
Mine Environment and Ecology

Time: 3 hrs.

Max. Marks:100

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

PART – A

- 1 a. Define Environment and Ecology. Give the structural and functional components of Ecosystem. (10 Marks)
b. Explain how do you develop and preserve the Ecosystem and define soil erosion. (10 Marks)
- 2 a. Explain the nature of problems and factors influencing the nature and extent of environmental impact. (12 Marks)
b. Explain the concealment for an surfaces excavation. (08 Marks)
- 3 a. Explain the nature and effect of the main air pollutions. (10 Marks)
b. Explain the depletion of ozone layer and its effects. (10 Marks)
- 4 a. Define Water Pollution. What are the various causes of water pollutions in mining industry? Discuss the remedial measures taken to prevent air pollution in upcoming mining industries. (10 Marks)
b. Write short notes on :
i) Eutrophication ii) De – oxygenation. (10 Marks)

PART – B

- 5 Write short notes on :
a. British standard dust deposit gauge
b. Sedimentation tank.
c. Water Quality standards. (20 Marks)
- 6 a. Explain the problems of noise and noise sources and the limits of noises. (10 Marks)
b. Explain the ground vibration from blasting and their effects of ground vibration. (10 Marks)
- 7 Define Airblast. Discuss the causes, effects and remedial measures taken for airblast. (20 Marks)
- 8 a. Explain the importance of Reclamation. (08 Marks)
b. Explain briefly Environmental Impact Assessment. (12 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.