

CBCS SCHEME

15MN831

USN

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

Eighth Semester B.E. Degree Examination, Aug./Sept.2020 Environmental Impact of Mining

Time: 3 hrs.

Max. Marks: 80

- Note: i) For Regular Students: Answer any FIVE full questions irrespective of modules.
ii) For Arrear Students : Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

- 1 a. Explain the importance of sustainable development in Mining Industry (08 Marks)
b. Explain the Environmental Impact of Mining. (08 Marks)
- 2 a. Explain the importance of ecosystem and its preservations. (10 Marks)
b. Explain the importance of ecological pyramid. (06 Marks)

Module-2

- 3 a. Explain the British standards dust deposit gauge. (10 Marks)
b. Explain the control of Particulate Matter. (06 Marks)
- 4 a. Explain the personnel dust samplers. (06 Marks)
b. Explain the method of preventing point source and non-point sources of air pollutants. (10 Marks)

Module-3

- 5 a. Explain the hydrological cycles with a neat sketch. (06 Marks)
b. Explain the nature and effects of water pollution and its control techniques. (10 Marks)
- 6 a. Explain the specific pollution problems of water. (07 Marks)
b. Explain the prediction of water pollution using mathematical simulation techniques. (09 Marks)

Module-4

- 7 a. Explain the problems of noise and its threshold limit values in mining industry. (08 Marks)
b. Explain the remedial measures for minimizing the noise pollutions. (08 Marks)
- 8 a. Explain the effects and control of Ground vibrations. (08 Marks)
b. Explain the USBM method of prediction of ground vibration levels. (08 Marks)

Module-5

- 9 a. Explain the importance of land reclamation. (08 Marks)
b. Explain the importance of EIA. (08 Marks)
- 10 a. Explain the importance of EMP. (08 Marks)
b. Explain the corporate social responsibilities. (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.