

SECTION A
(ANSWER ALL QUESTIONS)

1. Write short notes or explain briefly the followings:
 - a) Environment Protection Act.
 - b) Factors responsible for sources/generation of Air Blast in mines
 - c) Different stability aspects to be considered in Closure Plan.
 - d) BOD test. (5*4=20)

SECTION B
(ANSWER 2, 3, 4 and EITHER 5 OR 6)

2.
 - a) What are the properties of Tailings?
 - b) Mention the components of Tailing facility design. (4+6)
3. Discuss briefly how the EIA processes are conducted in India. (10)
4. State the various Reclamation Standards used in Mines. (10)
5.
 - a) Briefly explain the damage criteria as per DGMS due to blasting.
 - b) Give the Permissible Standards of PPV in mine areas. (4+6)

OR

6.
 - a) Explain the various wave properties needed for analyzing vibration.
 - b) Discuss ANY TWO Predictor equation for ground vibration. (6+4)

SECTION C
(ANSWER 7 and 8 OR 7 and 9)

7.
 - a) Briefly explain the contents of an Environment Management Plan.

b) Compare the various tailing dam construction methods. (12+8)

8. a) What are the factors responsible for Flyrock? How to control them?
b) Provide a checklist of Project Components for EIA.
c) What are the requirements of EIA? (8+7+5)

OR

9. a) Discuss various environmental impacts from Tailings.
b) Provide the guidelines as per IBM for the preparation of Closure plan. (6+14)