

**End Semester /Reappear (Semester VI) Examination May 2025**

**Programme: Diploma (MiE)**  
**Course: Mine Legislation & Safety**  
**Course Code: 8D.351**  
**Enrolment no. \_\_\_\_\_**

**Full Marks: 70**  
**Time: 3 Hrs.**

**Section I**

1. **Short Answer type questions. Answer any four.** **4 x 5 = 20**
- State the salient provisions of section 23 of Mines Act regarding notice of certain accident.
  - Mention briefly the provisions of CMR 2017 regarding working near mine boundaries in opencast mines.
  - Define strike, lockout & layout.
  - Mention the provisions regarding working near mine boundaries in opencast Mine as per CMR 2017.
  - How would you describe a minor injury and a disaster?
  - Mention the provisions of CMR 2017 regarding maximum no. of shots to fired by a shot firer.

**Section II**

- Long Answer type questions. Answer any three.** **3 x 10 = 30**
- Mention the provisions of rules notified dated 4 Feb 2019 to allow employment of women in mines.
  - What are the key provisions outlined in the Coal Mines Regulations (CMR) 2017 concerning the risks associated with underground inundation? Summarize the critical safety measures and preventive strategies established to mitigate such hazards.
  - Write down the size of coal development pillar for different width of the development gallery & different depth of coal seam as per provision of CMR 2017.
  - Define organization. Describe briefly the Line organization and staff organization.
  - Mention the salient provision of mine Act 1952 regarding annual leave with wages as well as wages during leave period.

**Section III**

- Application based questions. Answer any one.** **1 x 20 = 20**
- What is the role of a pit safety committee? Explain its structure, including key members, and outline its primary functions in ensuring workplace safety.
  - Mention the salient powers of Inspector under section 22 & 22 A of the Mines Act, when employment of person is dangerous including employment prohibiting powers.
  - Coin the term with explanation:  
a. Banksman b. General body of air c. Competent persons d. Misfire e. Ventilation district f. Abandoned working g. Goaf h. Disused working i. Fiery seam j. Auxiliary fan

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