



Practice Set
End Semester Examination, Spring- 2026

Program: DIPLOMA (MINING)

Semester: VI

Subject: MINE LEGISLATION & SAFETY

Subject Code: 8D.351

UNIT I

Section I (10 Marks)

1. Explain the provisions of first Aid Station as per mines rules 1955.
2. What are the different types of accident according to mines act 1952.
3. What are the statutory provisions regarding person employed in mine according to mines act 1952.
4. Describe the provisions regarding hours of week above grounds & hours of working below grounds as per Mines Act 1952.
5. Define the following terms as per the Mines Act: -
 - a) Adolescent,
 - b) Adult,
 - c) Child,
 - d) Employed
 - e) Mine
6. Write the provisions according to mines act 1952 :-
 - a) Drinking water
 - b) Storage of drinking water
 - c) Latrine & urinal in underground & surface mines

Section II (20 Marks)

7. Define leave and calendar year as per Mines Act 1952. Describe the provisions regarding of annual leave with wages as per Mines Act 1952.

UNIT II

Section I (10 Marks)

8. Describe the classification of Coal seam on the basis of degree of gassiness.
9. 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.
10. Elaborate the salient provisions regarding standards of ventilation for underground mine working.
11. Mention the provisions of CMR 2017 regarding general requirement about mines plan.
12. What are the provisions for general precautions against fire as per CMR 2017?

13. Describe the provision of CMR 2017 regarding working under railways and roads as well as multi-section & contiguous working.
14. Elaborate the provisions regarding depillaring operations as per CMR 2017.
15. Define the term according to CMR 2017:-
 - a. Banksman
 - b. Competent persons
 - c. Abandoned working
 - d. Disused working
 - e. Auxiliary fan

Section II (20 Marks)

16. In CMR 2017, the provisions regarding Manual Opencast working & mechanized opencast working are mentioned. Enumerate the provisions & explain.
17. Explain the duties and responsibilities of an overman as per regulation number 47 of the CMR 2017.

UNIT III

Section I(10 Marks)

18. Describe the causes of haulage and winding accidents in mines. Explain the safety measures to prevent haulage and winding accidents.
19. Discuss the causes of accidents due to explosives and blasting in mines and explain the precautions and preventive measures to avoid blasting accidents.
20. What are mine fires? Discuss the causes, effects and preventive measures of fires in mines.
21. Classify mine accidents and discuss the major causes of mine accidents in underground coal mines.
22. Define the following term-
 - a) lockout
 - b) minor injury
 - c) disaster
 - d) serious body injury
 - e) strike

Section II (20 Marks)

23. Discuss the causes of accidents due to explosives and blasting in mines and explain the precautions and preventive measures to avoid blasting accidents

UNIT IV

Section I (10 Marks)

24. Describe the inspection procedure for haulage roadways in underground mines.
25. Explain the procedure for dealing with misfires in underground blasting operations.
26. Discuss the conditions under which solid blasting with P5 explosives is permitted in underground coal mines.

27. What are the duties and responsibilities of superintendents according to mines rescue rule 1985.

Section II (20 Marks)

28. Discuss the important provisions of Mines Rescue Rules 1985 regarding the construction of rescue station and rescue room in mines.

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Disclaimer: - This is a Practice set. The Question in End term examination may differ from the Practice set. This Practice set is meant for practice only.