

Roll No

MI - 603**B.E. VI Semester**

Examination, June 2015

Mining Legislation And Safety - II**Time : Three Hours "****Maximum Marks : 70**

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each questions are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) Maximum area for which a prospecting licence or mining lease may be granted.
- b) Periods for which prospecting licences and mining leases may be granted or renewed.
- c) Give the Contents of mining plan.
- d) Describe the salient features of Mines and Minerals Development and Regulation Act.

Or

Give the duty of owner to take steps for the conservation and development of coal mine as per CMCD Act.

Unit - II

2. a) Define Flame proof enclosure as per IER.
- b) Define intrinsically safe apparatus as per IER.
- c) Give the provisions of voltage limits as per IER
- d) State the provisions as per IER regarding uses of Flexible cables in Mines.

Or

Give the statutory provisions as per Mineral Concession Rules regarding conditions of a prospecting licence.

Unit - III

3. a) What are the Objectives of convening the National Safety Conferences.
- b) List the notified diseases as per recent circulars.
- c) Write notes on occupational health surveillance.
- d) Briefly State the major recommendations of 11th National Conference on Safety in Mines.

Or

Write the recommendations of DGMS circular regarding use of highwall mining technology in Indian coal mines.

Unit - IV

4. a) Define ordinarily employed.
- b) Give the functions of rescue stations.
- c) Write notes on rescue tracings as per mines rescue rules.
- d) State the provisions of duties and responsibilities of superintendent as per MRR.

Or

State the provisions of duties and responsibilities of Manager on emergency as per MRR.

Unit - V

5. a) Define mine accident.
- b) What is Safety campaign.
- c) List the contents during preparation of mine accident report.
- d) Describe the classification of accidents by place of work and by cause and write its preventive measures.

Or

How will you conduct a safety campaign in your mine? What are the possible benefits of such campaign? "
