

**G-4/424/21**

Roll No. ....

**M.Sc. IV Semester Examination, 2021****GEOLOGY****Paper IV**

(Mining Legislation and Mineral Resources Development)

Time : 3 Hours ]

[ Max. Marks : 80

**Note :** All questions are compulsory. Question Paper comprises of 3 sections. Section A is objective type/multiple choice questions with no internal choice. Section B is short answer type with internal choice. Section C is long answer type with internal choice.

**SECTION A****1×10=10****(Objective Type Questions)***Choose the correct answer :*

1. As per MMDR Act, application for reconnaissance permit prospecting licence, or mining lease in respect of any land in which the minerals vest in the government shall be made to :
  - (a) The Central Government
  - (b) The Municipality Corporation
  - (c) The State Government
  - (d) To the Gram Panchayat

P.T.O.

2. Mineral Concession Rules have been framed in exercise of power conferred under which of the following Act :
  - (a) Coal Mines Regulations, 2017
  - (b) Metalliferous Mines Regulation, 1961
  - (c) Mines Act, 1952
  - (d) Mines and Minerals (Regulation and Development) Act, 1957.
3. Arrange the RP, PL and ML in correct sequence of their administrative approvals :
  - (a) PL—ML—RP      (b) RP—PL—ML
  - (c) ML—RP—PL      (d) None of these.
4. As per MMDR Act, what is the maximum area for which a mining lease may be granted to a person :
  - (a) Hundred square kilometer
  - (b) Ten square kilometer
  - (c) One square kilometer
  - (d) Five square kilometer
5. As per MMDR Act, what is the maximum area for which a prospecting lease may be granted to a person.
  - (a) Twenty five square kilometer

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- (b) Hundred square kilometer  
 (c) Ten square kilometer  
 (d) Fifty square kilometer
6. As per MMDR Act what is the maximum area for which a reconnaissance permit may be granted to a person :
- (a) Ten thousand square kilometer  
 (b) One thousand square kilometer  
 (c) Twenty thousand square kilometer  
 (d) Hundred square kilometer
7. As per MMDR Act, the maximum period for which a mining lease may be granted shall not exceed :
- (a) 10 years                      (b) 5 years  
 (c) 30 years                      (d) 100 years.
8. Steps taken for reclamation and rehabilitation of a mine is called :
- (a) Final mine closure  
 (b) Partial mine closure  
 (c) Mining plan              (d) New mining lease.
9. MCDR is :
- (a) Mineral Control and Development Rules  
 (b) Mineral Concession and Development Rules

- (c) Mineral Concession Profit Rules  
 (d) Mineral Conservation and Development Rules
10. Which are the concerned government offices/ services/authorities under mining segment ?
- (a) Ministry of Mines, GOI and the Indian Bureau of Mines  
 (b) Geological Survey of India  
 (c) Both (a) and (b)  
 (d) Ministry of Defence Govt. of India.

**SECTION B****4 × 5 = 20****(Short Answer Type Questions)****Note :** Attempt one question from each unit.**Unit-I**

1. Write on RP (Reconnaissance Permit).

*Or*

Write on PL (Prospecting Licence).

**Unit-II**

2. Write on the procedure of obtaining prospecting time.

*Or*

Write on powers of State Government under MMDR Act.

**Unit-III**

3. Write on Mineral Concession and Development Rule, 1988.

Or

Role of a geologist in reconnaissance.

**Unit-IV**

4. Write on mining plan in general.

Or

Write on environmental protection as per MCDR.

**Unit-V**

5. Guideline under MCDR for UNFE classification.

Or

What is a note of Geologist in mining plan.

**SECTION C****10×5=50****(Long Answer Type Questions)**

**Note :** Attempt one question from each unit.

**Unit-I**

1. Write on the concept of Act, rules and restriction of rules.

Or

Online the procedure of obtaining a mining lease in short.

**Unit-II**

2. Write in short on Central Government's jurisdiction and State Government powers in mining Industry.

Or

Write on the minor minerals availability in Chhattisgarh.

**Unit-III**

3. Write on the salient features of MCDR Rule, 1988.

Or

What do you understand by prospecting ?

**Unit-IV**

4. Write on the appropriate authorities for approval of a mining plan for limestone.

Or

Write on major and minor minerals.

**Unit-V**

5. Write in short on UNFE classification.

Or

Write in short on Chhattisgarh's mineral resources.