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Roll No

MI-702(B)-CBGS

B.Tech., VII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Surface Mine Planning

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Define Dragline. 7
b) What do you mean by Stripping Shovel Layouts of open pit mines? 7
2. a) What are the Methods of side casting? 7
b) What are the steps involve in Design of Haul roads? 7
3. a) What are continuous surface mining equipments explain. 7
b) What are the Factors affecting ultimate pit limits? 7
4. a) What are the Manual methods used to developing ultimate pit limits? 7
b) Describe rock slope engineering. 7
5. a) What are the Factors influencing slope or dump stability? 7
b) Explain the various types of slope failure and their geometrical conditions. 7

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- 6. a) How will you Determine the factor of safety of a slope under plane and circular failure. 7
- b) What do you mean by Waste dump stability parameters? 7
- 7. a) What are the objectives of surface mining? 7
- b) Explain drift mining. 7
- 8. a) Describe strip mining. 7
- b) What do you mean by salting of an ore? 7
