

2009-2010
M.Sc. (I SEMESTER) EXAMINATION
(APPLIED GEOLOGY)
ORE GEOLOGY AND MINING GEOLOGY
(GLM-7007)

Maximum Marks: 70

Duration: Two Hours

Answer all questions.

1. Elucidate the relationship between metallogeny and crustal evolution. 18
- OR
- ✓ 1'. Explain the different sources of hydrothermal fluids and the manner of their migration.
2. Describe in detail the mode of formation of ore deposits associated with mafic-ultramafic rocks. 17
- ✓ 3. Discuss the mode and manner of formation of different types of oceanic mineral deposits, giving suitable examples. 17
4. Write detailed notes on exploration drilling methods with special reference to bit types and drill sections. 18
- OR
- 4'. Write detailed notes on:
 - (a) Open pit mining
 - (b) Room and pillar method of mining.