1304N119   Candidate's Seat No :_____

Integ. MSc. App Geo Semester-6 Examination
AGL 311
Mining and Env Geology

Time : 2-30 Hours]   April-2023   [Max. Marks : 70

Q.1 Write the following.
(i) Explain mining terminology with neat diagram.   (07)
(ii) Discuss various types of drilling methods.   (07)
OR
(i) Discuss exploration and surveying of the deposit.   (07)
(ii) Explain different types of mining methods with suitable examples. (07)

Q.2 Write the following.
(i) Discuss opencast mining machineries.   (07)
(ii) Discuss greenhouse gases and their effects on the climate.   (07)
OR
(i) Discuss radioactive logs.   (07)
(ii) Explain the environmental impacts of mining.   (07)

Q.3 Write the following.
(i) Discussthe impacts of urbanization on environment.   (07)
(ii) Explain marginal marine environments.   (07)
OR
(i) Discuss ozone hole depletion along with its causes.   (07)
(ii) Explain causes and effects of earthquakes.   (07)

Q.4 Write the following.
(i) Discuss causes and effects of volcanism.   (07)
(ii) Explain causes and implications of tsunami.   (07)
OR
(i) Discuss landslides with neat sketch.   (07)
(ii) Explain causes and effects of "acid rain" on the environment. (07)

Q.5 Attempt any seven out of twelve.   **(14)**
(1) Name the mining method used in the Kolar gold field.
(2) State the difference between "mine" and "quarry"?
(3) State the definition of tsunami.
(4) Provide names of the greenhouse gases.
(5) What do you understand by the term "Pacific ring of fire"?
(6) Provide the name of mining method used for the mining of coal.
(7) Define sump.
(8) State the difference between "tunnel" and "edit"?
(9) Provide the name of the company which had carried the mining activity of the base metal deposits located in Ambaji.
(10) Provide the full name of GIS.
(11) Define desertification.
(12) Provide the names of the marginal marine environments.