

DSPM UNIVERSITY, RANCHI

**M.Sc. Geology
Semester - II**

Paper Code : EC Geol 203

Model Question Paper

SECTION-A

Short answer type questions

Answer any **two** questions

1. Describe the saturation and unsaturation zones of ground water.
2. Write notes on:
 - a. Intrinsic permeability
 - b. Drawdown.
 - c. Hydraulic conductivity.
3. What are the various ways to recharge groundwater artificially.
4. Write about the rock properties affecting the groundwater.

SECTION-B

Long answer type questions

Answer any **two** questions

5. Explain Darcy's law with steady conditions.
6. Illustrate the groundwater province of India also mention its importance in resource management.
7. Write about Ghyzen-Herzberg relationship for sea water intrusion.
8. What is aquifer. Discuss various types of aquifer.