



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 4th Semester Examination, 2021

CC10-GEOLOGY

HYDROLOGY

Full Marks: 40

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

Answer any four questions from the following

10×4 = 40

1. Discuss about Darcy's Law and its validity. What is Hydraulic conductivity and intrinsic permeability?
2. Write short notes on:
 - (a) Rainwater harvesting
 - (b) Artificial recharge of groundwater.
3. Discuss in detail about different methods of groundwater explorations.
4. What are aquifers? Describe about different types of Aquifers, its parameters.
5. Write short notes on the following:
 - (a) Sea water intrusion in coastal aquifers
 - (b) Laminar and Turbulent groundwater flow.
6. Discuss in detail about physical and chemical properties of water and different methods of interpreting groundwater quality.

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