



19/12/2012

DOON UNIVERSITY, DEHRADUN
Semester Final Examination, First Semester, 2012
School of Environment & Natural Resources

M.Sc. (Natural Resource Management)
Course: ENR – 511: Land and Water Resources

Time Allowed: 3Hours

Maximum Marks: 50

Note: Attempt Questions from All Sections: A, B, C

SECTION: A . Attempt any FIVE Questions (Short Answer Type Questions.)

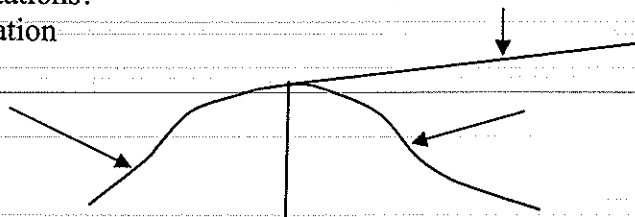
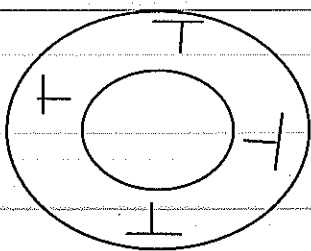
(Marks: 5x2=10)

1. What is non Soil area and in-situ soil?
2. What is V shape valley and aquifer
3. What is longitude and latitude and scale of the map
4. What is geoid and mean sea level
5. what are Inner planets and outer planets
6. What is synclorium and anticloronium
7. What is dip, strike, fold and fault
8. What are Biosphere Reserve and Bio-geographic zones?

SECTION: B. Attempt any FOUR Questions.

(Marks: 4x3= 12)

1. Define with sketch the artesian well?
2. What are the factors controlling soil formation?
3. What is half life period?
4. What is Darcy's law?
5. Describe the figures below with annotations?
6. What do you mean by water conservation



SECTION: C Attempt any FOUR Questions.

(Marks: 4x 7= 28)

1. What are fundamental Regularities and Interior of earth with sketch?
2. Explain in detail geological /geotechnical investigations are required for engineering projects
3. Explain in detail the importance of Himalayan glaciers and stream discharge?
4. Describe in detail the geological work of Atmosphere.
5. Describe erosion, weathering, denudation, attrition, deflation, striation and intrusion.
6. Describe the recent hypothesis of mountain building and upheaval of Himalayas.