



15/12/2012

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

M.Sc. (Environmental Studies)
Course: EES – 521: Earth and its Processes

Time Allowed: 3 Hours

Maximum Marks: 50

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

SECTION: A (Short Answer Type Questions) Attempt any FIVE Questions
(Marks: 5x2=10)

1. What is compressive and tensional stress?
2. What is the cause of river meandering?
3. Why joints originated in the rock body?
4. Describe fold and fault?
5. What is the composition of earth, define with sketch?
6. Define rift valley, drag fold and recumbent fold
7. Define with illustrations anticline, syncline, axial plain, limbs, crest & old rocks.
8. What are *in-situ* and *ex-situ* soils?

SECTION: B. Attempt any FOUR Questions. *(Marks: 4x3= 12)*

1. What are the factors controlling stream flow?
2. Discuss with illustrations the landforms created by any one of natural agencies?
3. What is the significance of studying stress and strain in rock strata?
4. What is physical and chemical weathering?
5. What is the role of Atmosphere in Biosphere?

SECTION: C. Attempt any FOUR Questions *(Marks: 4x 7= 28)*

1. What are the important indicators and techniques to identify faults in the field?
2. What is stream discharge? Why is it important to study stream discharge?
3. What is the difference among cracks, joints, lineaments and faults? What are the causes resulting those?
4. Describe Geological problems in major engineering projects?
5. Describe any one of the methods for geological investigation?
6. Explain one of the latest theories for mountain building and Indian mountain systems.