



19-12-2015

DOON UNIVERSITY, DEHRADUN
Final Semester Examination, 2015, First Sem.
School of Environment & Natural Resources (M.Sc.) EVS + NRM
Course: EES – 521: Earth Surface & its Processes

Time Allowed: 3 Hours

Maximum Marks: 50

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

SECTION : A (Short Answer Type Questions/ to be answered in about 25/50/75/150 words.

Attempt any FIVE Questions.

(Marks: 3 x 5=15)

1. Define Denudation, weathering and erosion?
2. Define thermal effect or frost action?
3. What is hydration hydrolysis and reduction?
4. Geologically what is stress and strain why it is important?
5. List out the Salient features of drainage system?
6. What is sill and dyke explain with diagram?
7. What is horst and graben or what is stream discharge?

SECTION : B (Short Answer Type Questions to be answered in about 75/100/250 words.

(Attempt any 5 Questions)

(Marks: 4x 5=20)

1. Define normal cycle of river erosion?
2. Explain the mostly accepted theory about mountain building?
3. Explain Indian mountain system or engineering consideration for ground water?
4. What is lake, volcano and their origin?
5. Explain the sources of ground water?
6. Explain with diagram the artesian well and perched water level?
7. Explain the geological work of glaciers.

SECTION : C (Long Answer Type Questions to be answered in about 750 words.

Attempt any two Questions.

(Marks: 7.5 x 2=15)

1. Explain porosity, permeability and zone of ground water movement with diagram ?
2. Explain one method of ground water exploration

or

- Why study of earth and its processes is important in environmental sciences.
3. Explain chemical (erosion and depositional) works of ground water?