

27/3/2018



School of Environment & Natural Resources (SENR)

Mid Semester 2018

M.Sc. (NRM) 2nd Semester

ENR- 511: Water Resources and Their Management

Max Marks : 30

Time : 2 hours

Q1. A. Define (Any five of following)

(1x5=5)

- (i) Hydrologic Cycle
- (ii) Percolation
- (iii) Soil water
- (iv) Hydraulic conductivity
- (v) Unconfined aquifer
- (vi) Specific yield of geolitic formation
- (vii) Safe yield of ground water

Q 2. B. Write short notes on the following (any five)

(3x5=15)

- (i) Factors affecting run off
- (ii) Sub-surface distribution of water
- (iii) Darcy's law
- (iv) Aquifers
- (v) Sub surface recharge methods for ground water
- (vi) Ground water contamination
- (vii) Components of a hydrologic cycle

Q -3 C. Describe a hydrologic cycle and its different components. Draw a neat sketch (5x1=5)

Q-4. Explain the objectives, investigation to be carried out and different methods of ground water recharge with neat sketches, wherever required. (5x1=5)