

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Mineral Resources and Technology Degree Programme
2nd Year 2nd Semester Examination – August/September 2014



MRT 251-1 Water Resources

Number of questions: Two (02)
Answer all questions
Time allocation: One (01) hour
Total marks: 100

1. a. What do you understand by 'Water Hardness'?
(10 marks)
 - b. Using the BOD value of a given water sample, what can you say about the quality of the water?
(05 marks)
 - c. What do you understand by 'Contaminated water'?
(05 marks)
 - d. Name five methods that can be used to purify polluted groundwater.
(10 marks)
 - e. Write five 'Good Practices' of water-related sanitation under Sri Lankan conditions.
(10 marks)
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2. a. Name and briefly describe five aquifers in Sri Lanka.
(20 marks)
 - b. What do you understand by 'Recharge' and 'Discharge' of groundwater?
(10 marks)
 - c. Briefly describe Vadose Zone and Phreatic Zone in soil.
(20 marks)
 - d. Describe 'Primary Porosity' and 'Secondary Porosity'.
(10 marks)