

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)

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)