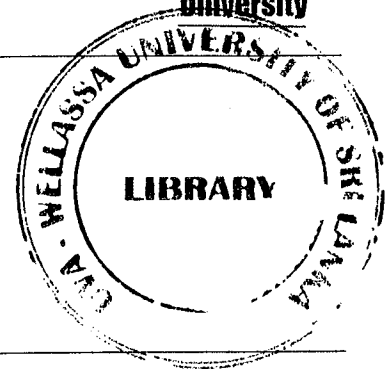


**Uva Wellassa University of Sri Lanka**  
**Faculty of Science and Technology**  
**Department of Science and Technology**  
**200 Level 2<sup>nd</sup> Semester Examination – Jan/Feb 2016**  
**MRT 251-1 Water Resources**



**Uva Wellassa  
University**



**Instructions to candidates**

Duration: One (01) hour

Number of questions: Two (02) Essay

Answer all questions

Mark allocation: 100 Marks

1.
  - a.
    - i. What is the water cycle? (06 mark)
    - ii. What are the four overlapping spheres where the water cycle occurs? (04 mark)
    - iii. What is evaporation and transpiration? (06 mark)
    - iv. Briefly explain the importance of evaporation over transpiration for the water cycle. (08 mark)
  - b.
    - i. What is the difference between rainfall and precipitation? (10 mark)
    - ii. What are the two main categories of precipitation? (04 mark)
    - iii. Name at least three types of precipitation for each category. (06 mark)
  - c. What is water table? (06 mark)
2.
  - a. What is a watershed? Briefly Explain. (12 mark)
  - b.
    - i. A stream segment could receive water from groundwater for a portion of the year and lose water to groundwater at other times. Explain how. (10 mark)
    - ii. A stream could receive water from groundwater and lose water to groundwater at the same time. Explain how. (10 mark)
  - c.
    - i. What is saline water? (03 mark)
    - ii. What are the categories of saline water? (06 mark)
    - iii. Briefly describe those categories of saline water. (09 mark)