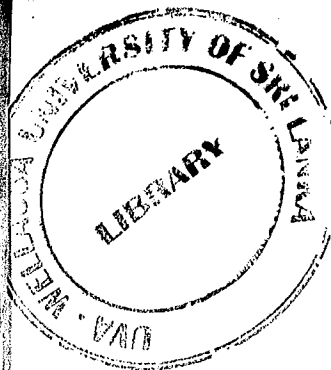




Uva Wellassa University, Sri Lanka
End Semester Examination –September/ October 2012



MRT 351-1 Hydrology

Duration: One (01) hour

Total four (04) questions

Answer all questions

Draw schematic diagrams where necessary

Total 100 marks

- 01) Describe the uses, mechanism and limitations (if any) of following instruments which are found in a weather station.
- a. Fluviograph
 - b. Thermometers in the Stevenson Screen
 - c. Barometer
 - d. Anemometer
 - e. Hygrograph
 - f. Wind wane
 - g. Sunshine recorders
- 02) Discuss the accuracy, advantages and disadvantages of following average rainfall estimation methods.
- a. Thiessen Polygon
 - b. Isohyetal
- 03) Critically discuss the Double Mass Analysis method.
- 04) Discuss the role of rainfall in a catchment water management.