

UNIVERSITY OF COLOMBO – SRI LANKA
FACULTY OF ARTS
SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) – PART II
FIRST SEMESTER FINAL EXAMINATION (2016/17)
GYG 3149 – HYDROLOGY
Time: Two (02) Hours

Answer **Three (03)** questions only.

01. (i) State the difference between evaporation and evapotranspiration. (05 Marks)
(ii) Discuss the major factors could control evapotranspiration. (15 Marks)
02. (i) What do you meant by interception? (05 Marks)
(ii) Discuss the factors that determine interception. (15 Marks)
03. Discuss the factors that affect the infiltration process with suitable diagrams. (20 Marks)
04. (i) Explain briefly the major components of runoff. (05 Marks)
(ii) Describe the methods that can be used to measure runoff? (15 Marks)
05. Explain with suitable examples, the major issues that could be identified in the water resource management of dry zone areas in Sri Lanka. (20 Marks)
06. Write short notes on **two (02)** of the following:
(i) Darcey's Law
(ii) Porosity
(iii) Evaporation Pans
(iv) Bowen Ratio (10*2 Marks)
