

EASTERN UNIVERSITY, SRI LANKA
FINAL YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2012/2013
(March/April - 2015)

AE 4101 – METEOROLOGY AND GEO-INFORMATICS (2:15/30/45)

Answer all questions

Time: One hour

- 1 a. Briefly explain the working principles of following instruments with suitable diagrams;
i. Weighing type rain gauge
ii. Hair hygrometer (50 marks)
- b. Define the term “Spatial Data”. And differentiate the Vector and Raster data in the spatial data model. (50 marks)
2. a. Briefly explain the instrumental exposure and layout of agricultural meteorological station with suitable diagrams. (40 marks)
- b. Write short notes on the following:
i. Importance of modern measuring network system over conventional system in hydro-meteorological studies. (30 marks)
ii. Geo-referencing in GIS application. (30 marks)
