

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)

PRACTICAL

Answer all questions
Time: 1 hour

Index No:.....

Part- A

1. What do you understand by the term *Parallax error* in the measurements of meteorological variables? 06 Marks
2. List possible errors in the measurement of rainfall using ordinary rain gauge. 10 Marks
3. Name three types of sunshine cards used in Campbell-Stokes recorder. 06 Marks
4. Give the use of following instruments;
a) Pyrheliometer
b) Pyranometer
c) Grass minimum thermometer 12 Marks
5. What are the main considerations should be kept in mind while taking readings from ordinary thermometers? 10 Marks
6. How do you expose thermometers at agricultural meteorological station? 10 Marks
7. Name three types of exposure mainly used for evaporation pans and tanks. 06 Marks

Part- B

1. How do you maintain the sunshine recorder at meteorological station? 20 Marks
2. Briefly describe the use of Maximum and Minimum Liquid- in- Glass Thermometers at agricultural meteorological station. 20 Marks
