

11 OCT 2014

**EASTERN UNIVERSITY, SRILANKA**  
**FIRST YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2011/2012**  
**(December – 2013)**

**AE 1101 - FARM MECHANIZATION (2:20/20/50)**

**(Repeat)**

Answer all questions

Time: One hour

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- 1 a. Briefly explain the water cooling system of a farm tractor.
  
  - b. List out the important factors to be considered in the care and maintenance of a knapsack sprayer and a power duster.
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- 2 a. Sketch the Mould board plough and label the main parts.
  
  - b. Function of the Rotary plough differs from the function of the Mould board plough in tillage practices. Explain the above statement with the operational characteristics of the Mould board and Rotary plough.