

31 OCT 2014

EASTERN UNIVERSITY, SRILANKA
FIRST YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE - 2006/2007
(February- 2014)

AEN 1201 FARM POWER AND MACHINERY (3:30/30)
External Degree

Answer all questions

Time: 2 hours

- 1 a. Briefly explain the important events take place in the four stroke diesel engine (50 marks)
- b. i. Differentiate the diesel engine with petrol engine (25 marks)
- ii. List out the advantages and disadvantages of two stroke engine (25 marks)
- 2 a. Discuss the important functions of a lubrication system (50 marks)
- b. Briefly explain the role of radiator in the cooling system of an engine (50 marks)
- 3 a. Briefly discuss about the primary tillage implements used in a land preparation of paddy (50 marks)
- b. i. List out the types of nozzles commonly used in sprayers (25 marks)
- ii. Classify the sprayers based on size of operation and rate of application (25 marks)
4. Write short notes on the following: (100 marks)
- a. Priming of a centrifugal pump
- b. Losses in a combine harvester
- c. Main components of the fuel supply system in diesel engine