

EASTERN UNIVERSITY SRILANKA
FIRST YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE - 2010/2011
(Jan/Feb/ March 2012)

AEN 1201 - FARM POWER AND MACHINERY (3:30/30)
(Proper/Repeat) – Old Curriculum

Answer all questions
Time: Two hours



-
01. (a) List at least 5 functions of the power outlets from a tractor.
(b) What is the purpose of tillage?
(c) What are the implements used for primary and secondary tillage?
(d) Give the basic components of each implement named in question 01 (c).
02. (a) Describe the mode of operation of a force feed lubrication system in a four wheel tractor.
(b) Briefly describe the structure of a differential used in a farm tractor and its role in power transmission.
03. (a) Write a brief account on the hydraulic system of a farm tractor.
(b) How do the tyre inflation, area & weight affect traction?
04. (a) What is the functional difference between a seed drill and a planter?
(b) State the functions of seed drill and give a brief note about the components of a seed drill indicating the functions of each.
-