

Uva Wellassa University
Faculty of Animal Science and Export Agriculture
Bachelor of Animal Science
BSc in Export Agriculture
End Semester Examination –September/ October 2015
Year II Semester I



Agricultural Farm Mechanization EAG 202-2

Instructions

Answer all questions

No. of questions : Four (04)

No. of pages : Two (02)

Time : One (01) Hour

Total marks allocated : 60%

PART II – ESSAY

Question 01

Compare and contrast Self-Priming (SP) water pumps and Non Self- Priming (NSP) water pumps

(15 marks)

Question 02

I) Explain the principle of centrifugal cream separation process.

II) Briefly explain the principle applied in the high pressure homogenizer

(15 marks)

Question 03

I) Define the term “Hydraulics”

II) Discuss the advantages and disadvantages of the hydraulic systems

III) Explain the working mechanism of a hydraulic system using a labeled diagram

(15 marks)

Question 04

I) Compare and contrast the air cooling system and liquid cooling system

II) Explain the functioning mechanism of a liquid cooling system of an engine with appropriate diagrams.

(15 marks)