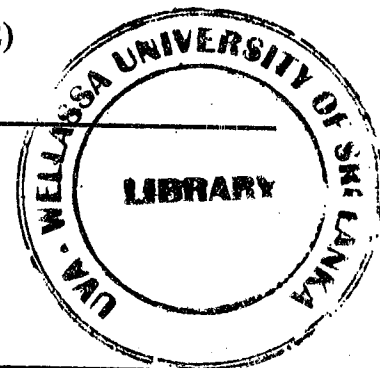


UVA WELLASSA UNIVERSITY OF SRI LANKA  
FACULTY OF ANIMAL SCIENCE & EXPORT AGRICULTURE



**BSc in Export Agriculture**  
**Second Year First Semester Examination – June/July 2017**

**Farm Machinery and Mechanization (EAG 241-2)**  
**Section III – Essay Questions**



**Instructions:**

Answer all questions in the given booklet.

No. of questions : Two (02)

No. of pages : One (01)

Time : One (01) hour

Total marks allocated : 50%

01. Describe the design and function of a drum seeder (IRRI Drum Seeder) using the following guide lines.

- Labeled diagram of the drum seeder
- Intended outcome of the drum seeder
- Field preparation for seeding using the drum seeder
- Operation procedure and seeding method

(50 marks)

02. Answer the following questions based on a cream separator machine.

- a) Describe the composition of milk (support your answer with a diagram).
- b) Draw the schematic diagram of a cream separator and label its components.
- c) Explain the cream separation process and the principle behind that.
- d) State three (03) parameters which decide the efficiency of the cream separator.

(4 x 12.5 marks)

**[End of section III]**