

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



BSc in Palm & Latex Technology and Value Addition
Third Year First Semester Examination – June/July 2017

Palm Industrial Machinery (PLT 242 - 2)
Section III – Essay Questions

Instructions:

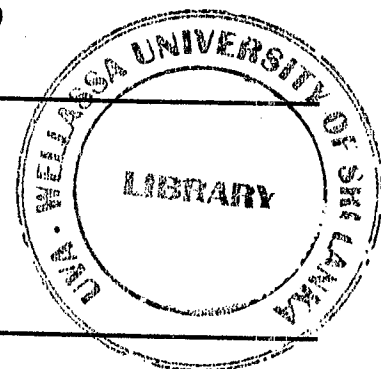
Answer all questions in the given booklet.

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 manual palm climbing machine using the following guidelines

- Labeled diagram of the manual palm climbing machine
- Operational adjustment of the machine
- Static position of a tree climber in the manual palm climbing machine while climbing the tree (support the answer with a free body diagram)
- Climbing process

(50 marks)

02. Explain the design and defibering process of Indian Defibering Machine. (Support the answer with diagrams when necessary).

(50 marks)

[End of section III]