



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: BSC AGRIC. 4 (CP & LWM)

COURSE CODE: LUM 405

TITLE OF PAPER: MECHANISATION MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

SPECIAL MATERIAL REQUIRED: NONE

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY TWO
OTHER QUESTIONS.**

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GRANTED BY THE CHIEF INVIGILATOR**

SECTION I: COMPULSORY**QUESTION 1**

Discuss the following with regard to their impacts on mechanisation management:

- (a) Machine performance;
- (b) Power performance. (40 Marks)

SECTION II: ANSWER TWO QUESTIONS**QUESTION 2**

- (a) Using Swaziland as example, discuss **TWO** objectives of agricultural mechanisation. (10 Marks)
- (b) Many developing countries are faced with the paradox that despite the conditions of chronic underemployment, generally characteristic of subsistence agriculture, there is considerable justification for mechanising agriculture on large farms. Discuss **TWO** such justifications using Swaziland as example. (20 Marks)

QUESTION 3

- (a) Discuss the following strategies of machinery replacement:
 - (i) Principle of holding (marginal) cost;
 - (ii) Scheduled replacement. (20 Marks)
- (b) Briefly discuss **TWO** factors that encourage early replacement of machinery. (10 Marks)

QUESTION 4

(a) Write short on the following options for financing machinery:

- (i) Bank overdraft;
- (ii) Hire purchase and;
- (iii) Finance leasing.

(15 Marks)

(b) Compare and contrast a contractor and a machinery ring.

(15 Marks)