



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: BSC AGRIC. 5 (LWM)

COURSE CODE: LUM 503

TITLE OF PAPER: WATERSHED MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

SPECIAL MATERIAL REQUIRED: NONE

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

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN
GRANTED BY THE CHIEF INVIGILATOR**

SECTION I: COMPULSORY QUESTION**QUESTION 1**

- (a) Soil erosion is one of the major problems on degraded watersheds in Swaziland. Discuss the strategies you would recommend for restoring such degraded watersheds. (30 marks)
- (b) Discuss how alien and invasive plants could be a problem in watershed management. (10 marks)

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

Discuss the importance of legislation to protect watersheds from agricultural and other human activities in Swaziland. (30 marks)

QUESTION 3

During the dry period, one sees torches of bush fire lit on many watersheds across the country. While these fires are generally condemned, some people argue that these fires are necessary to rejuvenate grazing lands. What is your expert opinion on these perennial fires on the country's watersheds? (30 marks)

QUESTION 4

Grass-root participation in the design and implementation of development projects is crucial for the success of such projects. Discuss how you would ensure grass-root support in a watershed management project in a rural area in Swaziland. (30 marks)