FACULTY	**AGRICULTURE ENGINEERING AND NATURAL SCIENCES**		
DEPARTMENT	**ANIMAL PRODUCTION, AGRIBUSINESS & ECONOMICS**		
SUBJECT	**INTRODUCTION TO FODDER PRODUCTION**		
SUBJECT CODE	**F3502AF**		
DATE	**OCTOBER 2023**		
DURATION	**3 HOURS**	**MARKS**	**100**

FIRST OPPORTUNITY EXAMINATION

Examiners: Prof. J. Mupangwa

Internal Moderator: Dr. A. Kahumba

External Moderator: Prof. C. M. Mnisi

This question paper consists of TWO (2) pages including this page.

Instructions: This question paper consists of four questions.
Calculators are allowed in the exam room.
Attempt all questions!!

UNIVERSITY OF NAMIBIA EXAMINATIONS

QUESTION 1 **[25 MARKS]**

(a) Define the following terms as they relate to cultivated pastures.

(i) Permanent pasture (2)

(ii) Rhizobia (2)

(iii) Scarification (2)

(iv) Forage flow (2)

(v) Potential fodder production capacity (2)

(b) Briefly explain the following:

(i) Mechanical seed scarification (5)

(ii) Legume seed slurry inoculation method (5)

(c) Describe the characteristics that are suitable for a silage fodder crop. (5)

QUESTION 2 **[25 MARKS]**

(a) Discuss the shade drying method of pasture seeds. (12)

(b) Discuss the procedures followed during hay making from cultivated *Cenchrus ciliaris*. (13)

QUESTION 3 **[25 MARKS]**

(a) Discuss the edaphic factors that are considered in the selection of a cultivated pasture crop to grow on a farm. (15)

(b) Explain the procedures followed in conducting a pasture seed physical purity analysis in a laboratory. (10)

QUESTION 4 **[25 MARKS]**

(a) Describe the establishment and management of an agroforestry nursery.

END OF PAPER