UNAM
UNIVERSITY OF NAMIBIA

FACULTY	AGRICULTURE, ENGINEERING AND NATURAL SCIENCES		
SCHOOL	AGRICULTURE AND FISHERIES SCIENCES		
DEPARTMENT	FOOD SCIENCE AND SYSTEMS		
SUBJECT	FOOD PACKAGING, STORAGE AND DISTRIBUTION		
SUBJECT CODE	AFST 3861		
DATE	JUNE 2025		
DURATION	2 HOURS	**MARKS**	100

First Opportunity Examination

Examiner: Dr. S.C. Barrion

Internal Moderator: Prof. K.K.M. Nantanga

External Moderator: Prof. V.A. Jideani

This question paper consists of **one (1)** page excluding this front page.

Instructions

- **Answer all five (5) questions**

QUESTION 1

a) Examine the two (2) primary types of cans used for food packaging. **[10]**

b) Compare and contrast polycarbonate, polyester and polyvinylidene chloride. **[10]**

QUESTION 2

a) Analyse and discuss the benefits and drawbacks of vacuum packaging of meat products. **[10]**

b) Explain the substances that can reduce oxygen levels in food packaging. **[10]**

QUESTION 3

a) Define Food Packaging and identify the key factors contributing to its development. **[10]**

b) Describe the packaging typically used for sponge cake. **[10]**

QUESTION 4

a) Discuss the significance of containment as a crucial function of food packaging. **[10]**

b) Examine the two (2) primary processes involved in the manufacturing of plastic bags. **[10]**

QUESTION 5

a) Explain the concepts of aseptic processing and packaging. **[10]**

b) Describe the four (4) types of paperboards utilised for food packaging. **[10]**

END OF THE EXAMINATION