

NATIONAL UNIVERSITY OF LESOTHO
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NUTRITION
FOOD PRODUCT DEVELOPMENT-NUT4309
SEMESTER II EXAMINATION

JUNE 2022

TIME: 3HRS

MARKS: 100

Instructions:

- Attempt all the questions.

Question one

Write short notes on the following; [25]

- a. Pilot plant
- b. Scaling up
- c. Product launching
- d. Triangle test
- e. Duo-trio test

[Total Mark: 25]

Question two

- a. Justify the importance of new food product development in the company. [20]
- b. Give the types of new products. [5]

[Total Mark: 25]

Question three

- a. Describe the three segments in product development. [10]
- b. Discuss the 5 Ds in Food Product development. [10]

[Total Mark: 20]

Question four

- a. Idea generation is the first step in new product development, explain where the ideas for new products can be obtained. [10]
- b. Discuss the variables controlled during sensory evaluation. [7]

[Total Mark: 17]

Question five

It is generally accepted fact that far too many food product introductions fail. It is said that 72 - 88% of the new food products entering the market are not seen again in the next year.

- a. Explain the reasons for this. [10]
- b. What are the three important issues that need to be considered before commercialization. [3]

[Total Mark: 13]