

1<sup>ST</sup> SEM. 2019/20

UNIVERSITY OF ESWATINI



SUPPLEMENTARY/RESIT EXAMINATION PAPER

**PROGRAMME:** BACHELOR OF SCIENCE IN FOOD SCIENCE, NUTRITION AND TECHNOLOGY

**COURSE CODE:** FNS303

**TITLE OF PAPER:** SENSORY EVALUATION

**TIME ALLOWED:** TWO (2) HOURS

**INSTRUCTIONS:** ANSWER QUESTION ONE (1) AND ANY OTHER TWO (2) QUESTIONS.

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

**QUESTION 1 (COMPULSORY)**

(a) Describe the following terms:

- i. Error of central tendency
- ii. Affective testing
- iii. Halo effect
- iv. Sensory evaluation/analysis
- v. Descriptive testing

**(5x2=10 Marks)**

(b) Discuss the advantages and disadvantages of the rating preference test as well as its applications in sensory evaluation.

**(10x1=10 Marks)**

(c) The reasons for conducting consumer tests in food industry often fall into one of four categories. What are these categories, discuss in detail?

**(4x5=20 Marks)**

**[TOTAL MARKS=40]**

**QUESTION 2**

(a) Discuss **two (2)** directional discrimination tests used in sensory evaluation. Provide detailed information on the following: name of test and its characteristics, test preparation and procedure, and analysis and interpretation of results.

**(2x10=20 Marks)**

- (b) In sensory analysis, standardization/uniformity of all serving procedures and sample preparation techniques is very important. Discuss the test protocol considerations regarding these procedures.

(5x2=10 Marks)

[TOTAL MARKS=30]

### QUESTION 3

- (a) Provide detailed descriptions of the following areas of the sensory environment.

- i. Evaluation area
- ii. Booth Area

(2x10=20 Marks)

- (b) Describe the applications of descriptive testing.

(5x2=10 Marks)

[TOTAL MARKS=30]

### QUESTION 4

- (a) What are the steps involved when training a sensory descriptive panel. Discuss in detail.

(10x2=20 Marks)

- (b) Before conducting a sensory analysis test, you need to select and train the panelists/assessors. Discuss instructions you would give to your sensory panel during training.

(10x1=10 Marks)

[TOTAL MARKS=30]