

2ND SEM. 2019/20



PAGE 1 OF 2

UNIVERSITY OF ESWATINI
RE-SIT EXAMINATION PAPER

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

COURSE CODE : **FNS406/FSNT404**

TITLE OF PAPER : **CLINICAL NUTRITION**

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

INSTRUCTION : **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) What is nutritional assessment and how can it be completed. (20 Marks)
- (b) Describe biochemical markers which are useful for nutritional evaluation. (20 Marks)

[TOTAL MARKS = 40]

QUESTION 2

- (a) Explain the role of exercise in the treatment of obesity. (10 Marks)
- (b) Describe the main causes of malnutrition in end-stage liver disease. (10 Marks)
- (c) What are the main goals of nutritional care in chronic kidney disease? (10 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- (a) Describe how the energy and protein needs in symptomatic HIV positive patients are calculated. (10 Marks)
- (b) What basic dietary advice would you give for chemotherapy side effects? (20 Marks)

[TOTAL MARKS = 30]

QUESTION 4

- (a) What dietary and lifestyle modifications would reduce the risk of cardiovascular disease? (20 Marks)
- (b) What are the main reasons for malnutrition in patients with inflammatory bowel syndrome? (10 Marks)

[TOTAL MARKS = 30]