



1ST SEM. 2012/2013

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UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER

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

COURSE CODE : FSNT 404

TITLE OF PAPER : CLINICAL NUTRITION

TIME ALLOWED : TWO (2) HOURS

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

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY)

Optimal pharmacologic therapy depends upon the predictable delivery and action of a prescribed drug. To assure this, one must take into account several aspects of the patient's general nutritional status as well as be aware of nutrient-drug interactions.

Discuss Nutrient-drug Interactions under the following headings:

- a) Physical Nutrient-drug Interactions
- b) Metabolic Nutrient-drug Interactions
- c) Interactions in Nutrient-drug Disposition
- d) Specific Nutrient-drug Interactions

(4 x 10 = 40 Marks)

[TOTAL MARKS = 40]

QUESTION 2

Describe the dietary management of the following nutritional disorders:

- a) Celiac disease

(10 Marks)

- b) Achalasia

(10 Marks)

- c) Dumping syndrome

(10 Marks)

[TOTAL MARKS = 30]

QUESTION 3

- a) List and explain **two (2)** formats of medical records that are in common use for documenting nutritional care.

(10 Marks)

- b) Describe the effects of drugs on nutrition.

(5 x 4 = 20 Marks)

[TOTAL MARKS = 30]

QUESTION 4

Describe the etiology, lifestyle modification and nutrition management in the treatment of hypertension.

[TOTAL MARKS = 30]