

1ST SEM. 2010/2011

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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

**INSTRUCTIONS : 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

4x10= [40]

QUESTION 2

- a) Define what is meant by coronary heart disease (4)
 - b) Describe the suggested role of dietary factors in the development and prevention of heart disease. (16)
 - c) Propose and explain dietary advice for the prevention of coronary heart disease. (10)
- [30]

QUESTION 3

- a) Define Diabetes Mellitus and describe its etiology (10)
 - b) Discuss dietary strategies for the management of individuals with diabetes. (20)
- [30]

QUESTION 4

The hallmark of chronic renal disease is a decrease in glomerular filtration rate (GFR).

- a) Identify the three major mechanisms through which this decrease may occur and indicate the clinical symptoms (10)
 - b) Outline the nutritional components of therapy in chronic renal failure, explaining the impact of each on renal function. (20)
- [30]