



1ST SEM. 2004/2005

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN HOME ECONOMICS YEAR V

COURSE CODE: FN 501

TITLE OF PAPER: CLINICAL NUTRITION

TIME ALLOWED: TWO (2) HOURS

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

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN
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]