



**1<sup>ST</sup> SEM. 2005/2006**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME : BACHELOR OF SCIENCE IN HOME  
ECONOMICS EDUCATION AND  
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**

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1<sup>ST</sup> SEM. MAIN 2005/2006  
FN 501

### QUESTION 1

Discuss Malnutrition in Liver Disease under the following headings:

- |                              |      |
|------------------------------|------|
| a. Cause                     | [10] |
| b. Possible clinical systems | [10] |
| c. Medical Management        | [8]  |
| d. Nutritional Management    | [12] |

[Total = 40]

### QUESTION 2

#### **Case Study: Dumping Syndrome**

K.L., a 45-year old man, was admitted to the hospital for surgery after 15 years of treatment for a gastric ulcer. The ulcer was no longer responding to medical management. Antrectomy with selective vagotomy was preformed. Postoperatively, the patient was at first given nothing by mouth. When feeding was begun, he was given low-carbohydrate clear liquids and toast every two hours, and then he progressed to a high-protein, low carbohydrate diet in six small feedings. Fluids were given at separate feedings. A week after discharge from the hospital, the patient called his physician complaining of nausea, diarrhoea, and abdominal cramping an hour after meals. The physician referred the patient to the nutritional care specialist, who obtained the following 24-hour recall information:

7:00 A.M.	1 cup pineapple juice 2 slices buttered toast with jelly 2 scrambled eggs Coffee with sugar
10:00 A.M.	Coffee with sugar Danish roll
12:30 P.M.	Hamburger on bun French fries Tossed salad with French dressing Lemon meringue pie Coffee with sugar
6:00 P.M.	150g pork chop 1 small sweet potato ½ cup peas with butter Sliced tomato salad with Thousand Island dressing 200ml milk Tea with sugar
9:30 P.M.	300g soft drink ½ cup strawberry ice cream

- a. Explain the rationale for the postoperative diet. [10]
  - b. What changes in diet (24 hour recall) might be suggested. [10]
  - c. Explain the mechanism by which the symptoms of dumping syndrome are produced. [10]
- [Total = 30]

### **QUESTION 3**

Describe the cause, Pathophysiology and Nutritional management of cancer.

[Total = 30]

### **QUESTION 4**

- a. Describe the relationship between malnutrition and AIDS. [10]
  - b. Discuss the causes, symptoms and Nutritional management of type 2 Diabetes Mellitus [20]
- [Total = 30]