



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF JKUAT)

(A Centre of Excellence)

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCE

DIPLOMA IN NUTRITION AND HEALTH
(DNH 11M)

ANH 2210 : THERAPEUTIC NUTRITION

SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: FEBRUARY 2013

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

This paper consists of 3 PRINTED pages

Question ONE

- a) (i) Outline the THREE types of tube feeding formula (3marks)
- (ii) State TWO types of liquid diets (2marks)
- (iii) List the TWO groups of formulas used in gaserostomy (2marks)
- (iv) Outline FOUR reasons for diet modification (4marks)
- b) (i) List down problems that a patient may get after feeding on calone-dense formula (5marks)
- (ii) State the TWO form of carbohydrate given in parenteral nutrition (2marks)
- (iii) State which food sources can be used to provide protein tube feeding formular (3marks)
- c) (i) Define the following terms
 - a. Parenteral nutrition (2marks)
 - b. Gastrostomy (2marks)
 - c. Bolus feeding (2marks)
- (ii) State the nutritional adequacy of clear fluid diet (2marks)
- (iii) Give other name of normal diet (1mark)

Question TWO

Describe briefly the causes of obesity (15marks)

Question THREE

- a) Explain the general effects of underweight (5marks)
- b) Differentiate between positive energy balance and negative energy balance (5marks)
- c) Differentiate between total parentereal feeding and partial parenteral feeding (5marks)

Question FOUR

- a) Explain the classification of obesity (5marks)
- b) Explain briefly the effects of long term use of partial parenternal nutrition (5marks)
- c) State the reasons for sick persons not getting proper adequate nutrients (5marks)

Question FIVE

- a) Differentiate between peripherally parenteral nutrition and centrally parenteral nutrition (5marks)
- b) Explain how the following complications of tube feeding can be parented or managed (10marks)
 - (i) Diarrhoea (2marks)
 - (ii) Constipation (2marks)
 - (iii) Tube clogging (2marks)
 - (iv) Oesophageal erosion (2marks)
 - (v) Hyperglycemia (2marks)