

2426/202
2427/201B
NUTRITION AND DIET THERAPY II
THEORY
June/July 2016
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL
**DIPLOMA IN DIETETICS MANAGEMENT
MODULE II**

NUTRITION AND DIET THERAPY II THEORY

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of TWO sections; A and B.

Answer ALL the questions in Section A and any THREE questions from Section B in the answer booklet provided.

Each question in section A carries 4 marks while each question in section B carries 20 marks.

Maximum marks for each part of a question are indicated.

Do NOT remove any pages from this question paper.

Candidates should answer the questions in English.

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTION A: (40 marks)

Answer ALL the questions in this section.

1. Describe enterohepatic circulation. (4 marks)
2. State **four** causes of fluid accumulation in the peritoneal cavity in patients with liver failure. (4 marks)
3. Name **four** insulin dependent tissues. (4 marks)
4. State **four** ways in which abnormal serum lipid profile of a diabetic patient can be corrected. (4 marks)
5. Explain the following:
 - (a) aneurysm; (2 marks)
 - (b) angina pectoris. (2 marks)
6. Highlight **four** dietary factors that may lead to development of atherosclerosis. (4 marks)
7. Identify **four** metabolic nitrogenous wastes that are excreted by the kidney. (4 marks)
8. Identify **four** psychological risk factors of obesity. (4 marks)
9. Highlight **four** clinical problems associated with rapid weight loss. (4 marks)
10. State **four** ways of increasing fibre in the diet. (4 marks)

SECTION B: (60 marks)

Answer any THREE questions from this section.

11.
 - (a) State **six** nutritional complications that may be experienced during terminal stage of chronic renal failure. (6 marks)
 - (b) Outline **six** manifestations that may arise from an inborn error of carbohydrate metabolism. (6 marks)
 - (c) List **eight** medical complications that may affect overweight and obese people. (8 marks)
12.
 - (a) State **six** metabolic functions of proteins in the liver. (6 marks)
 - (b) Explain **four** problems that arise from protein deficiency in liver cirrhosis. (8 marks)
 - (c) State **six** therapeutic objectives a dietician should observe during management of renal diseases. (6 marks)

13. (a) Explain why a patient with diverticulosis would experience abdominal discomfort, cramps and pain on consumption of nuts and seeds. (6 marks)
- (b) State six reasons why fat should be included in meals even while on a weight reduction diet. (6 marks)
- (c) Explain four drawbacks of using milk therapy to relieve ulcer pains. (8 marks)
14. (a) Highlight six causes of constipation. (6 marks)
- (b) Explain four nutrition related problems with inflammatory bowel disease. (8 marks)
- (c) Identify six ammoniogenic amino acids altered in liver diseases. (6 marks)
15. (a) Identify six factors affecting the progression of short bowel syndrome. (6 marks)
- (b) Explain five consequences of ileal resection. (10 marks)
- (c) Outline the four stages of hepatic encephalopathy. (4 marks)

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