

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

MEDICAL SCHOOL

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE
PART I EXAMINATIONS

(MHO 1201) : DIGESTIVE SYSTEM & EXCRETION

DATE : DECEMBER 2005

TIME : 3 HOURS

Instructions to Candidates

Answer **all** questions

SECTION A

1. Describe in detail the blood supply and lymph drainage of the stomach.
You may use diagrams to aid your description. (20)
2. Write short notes on the intraperitoneal subphrenic spaces. (3)
3. Write short notes on the left kidney. List 4 renal congenital abnormalities. (7)
4. What are the anatomical differences between the small and the large bowel? (20)

SECTION B

1.
 - i) Describe the gross anatomy and histology of the kidney nephron. (7)
 - ii) Describe the mechanism of movement of sodium ions across the kidney nephron cells in each of the nephron segments that you have described in (i) above. (10)
 - iii) Discuss the site, mechanism of action and pharmacological effect of any two of the following drugs:
 - a) mannitol
 - b) frusemide
 - c) amiloride
 - d) spironolactone. (8)
3. Write brief notes on the contribution of mastication to the digestive process. (5)
4. Explain the factors that prevent the stomach from self-digestion. (7)
5. Describe the phases of gastric secretion. (10)
6. Describe the intestinal phase of pancreatic secretion. (3)

END OF EXAMINATION