

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

MEDICAL SCHOOL

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE
PART I SUPPLEMENTARY EXAMINATIONS

(MHO 1201) : DIGESTIVE SYSTEM & EXCRETION

DATE : JANUARY 2006

TIME : 3 HOURS

Instructions to Candidates

Answer **all** questions

SECTION A

1. Using diagrams, describe the gross anatomy of the pancreas. Your description should include its blood supply and, briefly, its embryological development. (20)
2. Write short notes on the second part of the duodenum . (10)
3. List the contents of the spermatic cord. (10)
4. Write short notes on indirect inguinal hernia. (10)

SECTION B

5. List the functions of saliva. (4)
6. What function does the mucus secreted by the large intestine serve? (3)

7. Indicating where each is secreted, describe the function of the following hormones in GIT motility:
- i) cholecystokinin (4)
 - ii) secretin (3)
 - iii) gastric inhibitory peptide. (8)
8. Write short notes on the myenteric and submucosal plexuses. (8)

SECTION C

9. Write short notes on the handling of hydrogen ions by the kidney nephron. (5)
10. Using a diagram and short notes, discuss the blood supply of the kidney. (5)
11. Write short notes on the following aspects of vasopressin:
- i) chemical structure (2)
 - ii) physiological control of secretion (5)
 - iii) site and mechanism of action in the kidney nephron. (8)

END OF EXAMINATION