



UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF MEDICINE AND BACHELOR OF SURGERY
SECOND SEMESTER, 2023/2024
MAY-AUGUST, 2024**

MEDS 210: HUMAN ANATOMY 2

STREAM: Y2S2

TIME: 3 HOURS

DAY: WEDNESDAY, 9.00-12.00PM

DATE: 14/08/2024

INSTRUCTIONS

1. Do not write anything on this question paper.

SECTION A: ANSWER ALL QUESTIONS

QUESTION ONE

Describe the anatomy of the parotid gland under the following headings: position, subdivisions, surfaces, relations, vasculature, innervation and lymphatics. (10 marks)

QUESTION TWO

Describe the anatomy of the right coronary artery under the following headings: origin, course, branches, distribution and clinical relevance. (10 marks)

QUESTION THREE

Describe the vasculature, lymphatics and nerve supply of the anterior abdominal wall. Comment on how these features are clinically significant. (10 marks)

QUESTION FOUR

- a) Distinguish the olfactory mucosa from the mucosa over the middle and inferior nasal turbinates. (5 marks)
- b) Outline evidence in support of the claim that microscopic organization of the duodenum reflects adaptation to function. (5 marks)

QUESTION FIVE

- a) Describe the microscopic organization of the spleen. (5 marks)
- b) Outline development of the thyroid gland. (5 marks)

QUESTION SIX

Describe development, descent and maturation of the testicles. (10 marks)

QUESTION SEVEN

Describe the gross, microscopic and developmental anatomy of the pancreas. (20 marks)

SECTION B: ANSWER ONE QUESTION ONLY**QUESTION EIGHT**

- a) Describe the relations and parts of the prostate gland. (9 marks)
- b) Name the parts of the urethra and state their extents. (4 marks)
- c) State the contents of the spermatic cord. (7 marks)

QUESTION NINE

- a) Discuss the microscopic organization of the oesophagus. (6 marks)
- b) Describe the microscopic organization of the lymph node. (6 marks)
- c) Identify two disorders of collagen synthesis and state some clinical features. (4 marks)
- d) State four distinguishing features of epithelia. (4 marks)

QUESTION TEN

- a) Describe the embryologic development of the eye, including congenital anomalies. (10 marks)
- b) Describe the embryologic development of the uterus, uterine tubes and vagina, with comments on congenital anomalies. (10 marks)