



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF MEDICINE AND BACHELOR OF SURGERY [MBChB]
END YEAR 2022/2023
[MAY-AUGUST, 2023]

MEDS 210: HUMAN ANATOMY 2
PAPER 2

STREAM: Y2S3

TIME: 3 HOURS

DAY: WEDNESDAY, 2:00 – 5:00 PM

DATE: 24/08/2023

INSTRUCTIONS

1. Do not write anything on this question paper.

PAPER 2: ESSAY QUESTIONS

SECTION A: ANSWER ALL QUESTIONS

Answer each question on a separate page

QUESTION ONE

- a) Illustrate the dermatomes of the upper limb. (4 marks)
- b) Describe, in a proximodistal fashion, the branches of the external carotid artery and comment on their course and distribution. (6 marks)

QUESTION TWO

- a) State the position and relations of the parotid gland. (4 marks)
- b) Describe the boundaries, organization of contents and clinical relevance of the thoracic inlet. (6 marks)

QUESTION THREE

- a) Describe the azygous system of veins
- b) Outline formation of the inguinal canal, and the organization and contents of the spermatic cord

QUESTION FOUR

- a) Describe the dural reflections. (5 marks)
- b) State the boundaries and contents of the ischioanal fossa. (5 marks)

QUESTION FIVE

- a) Outline the microscopic organization of the spleen. (6 marks)
- b) Describe the microscopic organization of the penis. (4 marks)

QUESTION SIX

- a) Discuss the formation and fate of the allantois and cloaca. (5 marks)
- b) Highlight key events in development of the tongue. (5 marks)

QUESTION SEVEN

- a) Outline arterial blood supply of the heart. Comment on coronary dominance and its relevance. (13 marks)
- b) Distinguish elastic from muscular arteries. (3 marks)
- c) State the structural changes of the fetal circulation following parturition. (4 marks)

SECTION B: CHOOSE ONE QUESTION

QUESTION EIGHT

- a) Describe the arterial blood supply of the intraabdominal gut and accessory organs. (15 marks)
- b) Outline supporting structures of the uterus. (5 marks)

QUESTION NINE

- a) Describe the microscopic organization of the eyeball. (15 marks)
- b) Comment on microscopic organization of the adrenal gland. (5 marks)

QUESTION TEN

- a) Discuss the formation and fate of the pharyngeal arches. (16 marks)
- b) Highlight the stages of lung development. (4 marks)