

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

DEPARTMENT: HEALTH SCIENCES

PROGRAMME : BACHELOR OF SCIENCE HONOURS DEGREE IN NURSING SCIENCE
(NURSING EDUCATION)

COURSE CODE: NS 109(2): HUMAN ANATOMY 11

DURATION : 3 HOURS

TOTAL MARKS: 100

REGISTRATION NUMBER:

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JUN 2025

INSTRUCTIONS TO CANDIDATES

Answer all questions.

SECTION A:

Answer all questions .This section carries 25 marks. Circle True (T) or false (F) against each of the statements given, on the question paper using blue/black pen.

1. 1. Indicate whether the following statements are true (T) or false (F)

- a) The mesentery suspends the transverse and sigmoid colon from the posterior abdominal wall. (T) (F)
- b) The mesentery suspends the jejunum and ileum from the posterior abdominal wall. (T)(F)
- c) Apron like fold of peritoneum that hangs from the greater curvature of the stomach is called greater omentum. (T) (F)
- d) The mesentery is a double layer of the peritoneum. (T) (F)
- e) The Scarpa's fascia is discontinuous with the Dartos fascia. (T) (F)

2. Indicate whether the following statements are true (T) or false (F)

- a) The sciatic nerve innervates all muscles in the anterior compartment of the thigh. (T) (F)
- b) The hamstring muscles connect together on the pelvis at the ischial tuberosity. (T) (F)
- c) The acetabulum is for articulation with the head of the femur on the lateral surface of the pelvic bone. (T) (F)
- d) The pubofemoral, the iliofemoral, and the laterofemoral ligaments reinforce the external surface of the fibrous membrane and stabilize the hip joint . (T) (F)
- e) The iliofemoral ligament is the strongest in the body (T) (F)

3. Indicate whether the following statements are true (T) or false (F)

Concerning the skin:

- a) Most of the melanin in skin is in keratinocytes. (T) (F)
- b) In the stratum granulosum of the epidermis, keratinocytes begin to accumulate keratohyalin, which is necessary for keratin production. (T)(F)
- c) Langerhans' cells are the immune cells in the stratum germinativum which protect against invading microbes. (T) (F)
- d) A very thin layer that is just superficial to the stratum granulosum is called stratum spinosum. (T) (F)
- e) A very thin layer that is just superficial to the stratum granulosum is called stratum lucidum. (T) (F)

4. Indicate whether the following statements are true or false

- a) The prostate gland is part of the male accessory organs. (T)(F)
- b) The tunica vaginalis totally covers the testes. (T)(F)
- c) The vas deferens is a continuation of the epididymis. (T)(F)
- d) The dilated terminal of the vas deferens is referred to as the ampulla. (T)(F)
- e) The portion of the male urethra that passes through the urogenital diaphragm is called the spongy urethra. (T)(F)

5. Indicate whether the following statements are true (T) or false (F)

- a) The common iliac arteries are the terminal branches of the abdominal

- aorta. (T) (F)
- b) Right and left common iliac arteries arise at the level of the fifth lumbar vertebra. (T) (F)
- c) Each of the common iliac arteries ends in front of the sacroiliac joint by dividing into the external and internal iliac arteries. (T) (F)
- d) Inferior epigastric and deep circumflex iliac arteries are branches of the external iliac artery. (T) (F)
- e) The inferior vena cava is formed by the union of common iliac veins. (T) (F)

SECTION B

Answer all questions. Each question carries 25 marks

1. a) Draw and label the biliary tree (7 marks)
b) Describe the anatomy of the following:
 - i) Gall bladder (8 marks)
 - ii) Pancreas (10 marks)
2. a) Describe the anatomical structure of the pelvis (15 marks)
b) Explain any five (5) clinical correlates of the female pelvis (10 marks)
3. Describe the following:
 - a) Muscles of the posterior abdominal wall (16marks)
 - b) Femoral triangle (9 marks)

END OF PAPER