



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

COURSE CODE: NCN 122

COURSE TITLE: REGIONAL HUMAN ANATOMY

DATE: 12TH APRIL 2023

TIME: 8 AM – 11 AM

INSTRUCTIONS TO CANDIDATES

All questions in the three sections (A, B and C) are compulsory.

DURATION: 3 Hours

1. ANSWER ALL QUESTIONS ON THE BOOKLET PROVIDED.
2. READ THE INSTRUCTIONS AT THE BEGIN OF EACH SECTION
3. DO NOT WRITE ON THE QUESTION PAPER.
4. NUMBER ALL QUESTIONS CORRECTLY.
5. THIS PAPER CONSIST OF:

Section A: Multiple Choice Questions (MCQ)	20 Marks.
Section B: Short Answer Questions (SAQ)	40 Marks.
Section C: Long Answer Question (LAQ)	40 Marks
6. NO MOBILE PHONE IS ALLOWED IN THE EXAMINATION ROOM

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of five Printed Pages. Please Turn Over.

Page 1 of 5

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQ) CHOOSE ONLY ONE BEST ANSWER (20MKS)

1. The manubrium forms “atypical” synovial joint with the: -
 - A. Clavicle
 - B. 2nd costal cartilage.
 - C. 1st costal cartilage.
 - D. 1st thoracic vertebra.
 - E. Body of the sternum.

2. Rectus sheath are separated from each other by a fibrous band called: -
 - A. Linear alba
 - B. Tendinous intersections
 - C. Arcuate line
 - D. Inguinal ligament
 - E. Cleavage lines

3. Which of the following is located posterior to the lower left quadrant of manubrium.
 - A. Oesophagus.
 - B. Arch of aorta.
 - C. Superior venacava.
 - D. Left brachiocephalic vein
 - E. Right brachiocephalic vein.

4. Which of the following is not part of the conducting zone of the respiratory system?
 - A. Pharynx
 - B. Alveoli
 - C. Larynx
 - D. Trachea
 - E. Bronchi

5. The following organs are supplied by the coeliac trunk of the abdominal aorta **EXCEPT**:
 - A. Duodenum
 - B. Liver
 - C. Pancreas
 - D. Spleen
 - E. Suprarenal gland

6. Which of the following muscles is attached along the anterior surface of the body of the sternum.
 - A. Sternocostalis.
 - B. Internal oblique.
 - C. Pectoralis major.
 - D. Rectus abdominis.
 - E. Transversus abdominis.

7. Which of the following arteries is NOT a paired branch of the abdominal aorta?
- A. Renal
 - B. Gonadal
 - C. Lumbar
 - D. Superior phrenic
 - E. Common iliac
8. The posterior most structure in the hilum of left lung is?
- A. Superior pulmonary vein.
 - B. Pulmonary artery.
 - C. Eparterial bronchus.
 - D. Inferior pulmonary vein.
 - E. Lymph nodes.
 - F. Basophil
9. The following structures make up the Root of the lung **EXCEPT**?
- A. Bronchial vessels
 - B. Bronchioles
 - C. Pulmonary artery and veins
 - D. Pulmonary nerve plexuses
 - E. Bronchopulmonary lymph nodes
10. The following are features you will find on the ileum compared to the jejunum **EXCEPT**?
- A. Thinner walls
 - B. Shorter vasa recta
 - C. More mesenteric fat
 - D. Wider lumen
 - E. More arterial arcades
11. Which of the following lies in the intersegmental plane of bronchopulmonary segment.
- A. Pulmonary artery
 - B. Pulmonary vein
 - C. Bronchial artery.
 - D. Bronchial vein.
 - E. None of the above.
12. All the following are ligaments found in the liver **EXCEPT**: -
- A. Falciform ligament
 - B. Right triangular ligament
 - C. Left triangular ligament
 - D. Broad ligament
 - E. Ligamentum teres
13. Coronary dominance is based on origin of?
- A. Anterior interventricular artery.
 - B. SA node artery.

- C. Posterior interventricular artery.
 - D. Obtuse marginal artery.
 - E. Left circumflex artery.
14. Which of the following is an Intraperitoneal viscera?
- A. stomach
 - B. caecum
 - C. liver
 - D. spleen
 - E. vermiform appendix
15. Which of the following moves blood from Right Atrium to Left Atrium during foetal circulation?
- A. Foramen Ovalle
 - B. Ductus arteriosus
 - C. Mitral valve
 - D. Ductus venosus
 - E. Aortic valve
16. Which of the following is an opening of the diaphragm at the level of T8?
- A. Oesophageal
 - B. Aortic
 - C. Right dome
 - D. Foramen of Morgani
 - E. Caval
17. The following structures are found in the right iliac fossa **EXCEPT:**
- A. Appendix
 - B. Right ovary
 - C. Base of urinary bladder
 - D. Caecum
 - E. Ileo-caecal junction
18. The upper respiratory system includes all the following **EXCEPT: -**
- A. Nose
 - B. Nasopharynx
 - C. Bronchi
 - D. Nasal cavity
 - E. Oropharynx
19. Which of the following arteries supply the anastomoses formed along the lesser curvature of the stomach?
- A. Right and left gastro-omental
 - B. Right and left gastric arteries
 - C. Right and left gastroepiploic arteries.
 - D. Long and Short gastric arteries

E. Anterior and posterior gastric arteries

20. The following are anterior relations of the thoracic part of the oesophagus **EXCEPT**:-

- A. Trachea
- B. Descending thoracic aorta
- C. Left principal bronchus
- D. Pericardium
- E. Left atrium

SECTION B: SHORT ANSWER QUESTION (40mks)

1. Briefly describe arterial supply to the heart? (5mks)
2. List 10 structures that form the bed of the stomach? (5mks)
3. State the characteristic features of visceral pleura. (5mks)
4. Enumerate FIVE structural differences between the large and small intestines (5mks)
5. In a table format, list the difference between the right and left lung? (5mks)
6. Define the peritoneum and describe layers of the peritoneum? (5mks)
7. List 10 intraperitoneal organs? (5mks)
8. Briefly describe arterial supply of the stomach? (5mks)

SECTION C. LONG ANSWER QUESTIONS (40MARKS).

1. With the aid of a well labeled diagram describe anatomy of the heart (20 Marks)
2. Describe anatomy of the urinary system (20 Marks).

END