



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN NURSING

NURU 116: HUMAN ANATOMY III

STREAMS: BSC NURSING Y1T3

TIME: 2 HOURS

DAY/DATE: FRIDAY 06/12/2019

8.30 A.M. - 10.30 A.M.

INSTRUCTIONS:

- Do not write anything on the question paper.
- Mobile phones and any other reference materials are NOT allowed in the examination room
- The paper has three (3) sections. ALL the questions are compulsory
- Your answer for section A (MCQs) should be on the first page of the answer booklet.
- Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.

SECTION A: MULTIPLE CHOICE QUESTIONS (20 MARKS)

- 1. The afferent arteriole arises from which artery:
 - (a) Arcuate
 - (b) Interlobar
 - (c) Interlobular
 - (d) Segmental
- 2. The organs associated with the anterior border of the right kidney is:
 - (a) Spleen
 - (b) Adrenal gland
 - (c) Stomach
 - (d) Duodenum

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- 3. Part of the peritoneum that wraps and suspends the small intestines is:
 - (a) Greater omentum
 - (b) Lesser omentum
 - (c) Mesentry
 - (d) Mesocolon
- 4. Salivary gland containing serous acini only include:
 - (a) Submandibular
 - (b) Parotid
 - (c) Lingual
 - (d) Sublingual
- 5. Examples of elastic arteries include:
 - (a) Subclavian
 - (b) Femoral
 - (c) Suprarenal
 - (d) Vertebral
- 6. The blood vessel that supplies the left ventricle of the heart is:
 - (a) Marginal
 - (b) Circumflex
 - (c) Anterior interventricular
 - (d) Posterior interventricular
- 7. A leucocyte that has shoe shaped nucleus and is normally transformed into a macrophage is:
 - (a) Eosinophil
 - (b) Monocyte
 - (c) Neutrophil
 - (d) Lymphocyte
- 8. Concerning plasma proteins:
 - (a) Globulins are mainly synthesized in the liver
 - (b) Fibrinogen are synthesized only during bleeding episodes
 - (c) Globulins are the main carriers of substances in the blood
 - (d) Albumin has the longest half life
- 9. Lymphatic capillaries are found in all of the following organs EXCEPT:
 - (a) Liver
 - (b) Heart
 - (c) Brain

- (d) Skin
- 10. Secondary lymphatic organs include:
 - (a) Lymph nodes, thymus
 - (b) Lymph nodes, spleen
 - (c) Thymus, bone marrow
 - (d) Spleen, bone marrow
- 11. Which of the following joint is synovial:
 - (a) Hip, shoulder
 - (b) Dentoalveolar, suture
 - (c) Hip, suture
 - (d) Symphysis pubis, elbow
- 12. Muscles that assist with forced expiration include:
 - (a) Internal intercostal, sternocleidomastoid
 - (b) External intercostal, sternocleidomastoid
 - (c) Internal intercostal, rectus abdominis
 - (d) External intercostal, rectus abdominis
- 13. The blood vessel that supplies the lungs with oxygenated blood is:
 - (a) Bronchial vein
 - (b) Bronchial artery
 - (c) Pulmonary artery
 - (d) Pulmonary vein
- 14. Mixed cranial nerve associated with the eye is:
 - (a) Optic
 - (b) Oculomotor
 - (c) Trigeminal
 - (d) Abducens
- 15. Cerebral tracts that connect different parts of the same hemisphere are called:
 - (a) Commissures
 - (b) Corpus callosum
 - (c) Association fibres
 - (d) Projection fibres
- 16. The papillae containing most of the taste buds is:
 - (a) Circumvallate
 - (b) Foliate
 - (c) Fungiform
 - (d) Filiform

- 17. Purely endocrine organs include:
 - (a) Pituitary, pancreas
 - (b) Hypothalamus, thyroid
 - (c) Thyroid, pancreas
 - (d) Adrenal, pituitary
- 18. Zona reticularis secretes:
 - (a) Aldosterone
 - (b) Cortisol
 - (c) Androgens
 - (d) Epinephrine
- 19. The male homolog of labia minora is:
 - (a) Spongy urethra
 - (b) Glans
 - (c) Penis
 - (d) Scrotum
- 20. After spermatozoa is formed in the seminiferous tubules, it passes into the:
 - (a) Rete testis
 - (b) Ductus deferens
 - (c) Straight tubules
 - (d) Afferent ducts of the testis

SECTION B: SHORT ANSWER QUESTIONS (35 MARKS)

- 1. Explain three (3) types of capillaries indicating where each is found. (6 marks)
- 2. Compare and contrast right and left lungs. (6 marks)
- 3. State five (5) lymphatic trunks that drain the right side of the body. (5 marks)
- 4. State four (4) cells found in the gastric glands. (4 marks)
- 5. Describe the structural organization of the fallopian tube wall. (5 marks)
- 6. The wall of the eyeball consists of fibrous, vascular and sensory tunics. Explain two components of the vascular tunic/uvea. (4 marks)
- 7. Describe the structural organization of the anterior pituitary as an endocrine organ. (5 marks)

SECTION C: LONG ANSWER QUESTIONS (15 MARKS)

Utilizing a well labelled diagram, describe the parts of a nephron. (15 marks)

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