



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE

SPECIAL / SUPPLEMENTARY EXAMINATION

SML 102: ANATOMY II

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DATE: WEDNESDAY 18TH NOVEMBER 2009

TIME: 8.00 A.M. – 10.00 A.M.

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INSTRUCTIONS

SECTION A.

Answer ALL Questions.

(5 marks each)

1. Briefly describe the blood supply to the brain. (5 marks)
2. Describe the structure of Cardiac and skeletal muscles. (5 marks)
3. Describe the blood supply and Drainage to myocardium. (5 marks)

SECTION B

Answer ONE Question in this Section.

4. With the aid of a diagram, describe the production, flow and reabsorption of cerebral spinal fluid. (20 marks)

5. a) Describe the location, relations, lobes and blood supply to the liver. (10 marks)
- b) Compare and contrast the Structure of small and large intestine. (10 marks)
6. Describe the structure of the respiratory “tree”. (20 marks)

SECTION C:

Answer ALL Questions, each ½ mark

1. Tendons;
- a) Insert muscle to bone
 - b) Insert bone to bone
 - c) are related to nerves
 - d) are continuous with synovium
2. Dense bodies are found in;
- a) skeletal muscle
 - b) Cardiac muscle
 - c) Smooth muscle
 - d) all types of muscles
3. Cardiac muscles has;
- a) Spindle shaped cells
 - b) Striations
 - c) Striations
 - d) Cylindrical multinucleated cells

4. Klaus is a receptor for;
- a) Light
 - b) Touch
 - c) Pressure
 - d) Cold
5. Basilar artery is associated with
- a) Cerebral circulation
 - b) Renal blood supply
 - c) Coronary circulation
 - d) blood supply to lower limbs
6. The following is a part of central nervous system
- a) Retina
 - b) Optic
 - c) Paravertebral ganglia
 - d) Vagus nerve
7. Aorta
- a) Has high content of smooth muscle
 - b) Acts as a pressure reservoir
 - c) Is not elastic
 - d) has thin walls
8. Vasa vasorum supply;
- a) heart wall with blood
 - b) Vena cava with blood
 - c) Aorta and large arteries with blood
 - d) None of the above is true

9. The innermost layer of meninges is
- a) Dura
 - b) Pia
 - c) Arachnoid
 - d) All the above
10. Ileum does not have
- a) Oblique muscle layer
 - b) Microvilli
 - c) Serosa layer
 - d) Muscularis mucosa
11. The following is not found in seminiferous tubules;
- a) Sertoli cells
 - b) Spermatids
 - c) Theca cells
 - d) Spermatocytes
12. The following not found in the Thyroid gland;
- a) Parathyroids
 - b) C-cells
 - c) follicular cells
 - d) None of the above
13. Lateral Ventricles are found in;
- a) Midbrain
 - b) Cerebrum
 - c) Pons
 - d) Spinal cord

14. The following is Not found in the colon ;
- a) Ruggae
 - b) Taenia coli
 - c) Sacculations
 - d) Mucosa
15. Pnuemocyte type I cells are NOT found in;
- a) Alveoli
 - b) Respiratory epithelium
 - c) Respiratory bronchioles
 - d) Trachea
16. One of the following is an example of erectile tissue found in external genetalia;
- a) Corpus callosum
 - b) Corpus cavernosus
 - c) Corpus Luteum
 - d) Corpus albican
17. The outer most layer of blood vessel is;
- a) Endothelium
 - b) Adventitia
 - c) intima
 - d) media
18. Cartilages are not found in;
- a) Extra pulmonary bronchi
 - b) pulmonary bronchi
 - c) Respiratory bronchiole
 - d) Trachea

19. Vasa recti are;
- a) Continuation of efferent arteriole
 - b) continuation of afferent arteriole
 - c) Continuation of peritubular arterioles
 - d) All the above are correct
20. One of the following statement is not true about pneumocyte type II
- a) produce surfactant
 - b) Destruction may cause hyaline membrane disease
 - c) are non functional before 8th month intrauterine life.
 - d) have same function as pneumocyte type I
21. One of the following is not part of nephron
- a) distal convoluted tubule
 - b) proximal convoluted tubule
 - c) Glomerulus
 - d) Bowmans capsule
22. The following muscles are involved in respiration. Except.
- a) Sternocleidomastoid
 - b) Diaphragm
 - c) Anterior abdominal wall muscles
 - d) Flexor digitorum longus
23. An example of fixative is;
- a) Formalin
 - b) 70% alcohol
 - c) Saline
 - d) Disinfectant

24. One of the following is not associated with hearing;
- a) Tympanic membrane
 - b) Alfactory nerve
 - c) Auditory nerve
 - d) Tensor tympani
25. which si the odd one out?
- a) Endometrium
 - b) Myometrium
 - c) Cervix
 - d) Ovaries
26. which of the following statement is NOT true?
- a) Intrinsic nervous system (myeteric division is found between circular and longitudinal muscle layers in the stomach.
 - b) Stomach is j-shaped
 - c) stomach has THREE muscle layers
 - d) stomach has flattened mucosa lining.
27. Which of the following is NOT part of large interstines;
- a) colon
 - b) caecum
 - c) Appendix vermiformis
 - d) None of the above
28. Gall bladder is Not;
- a) relalted to liver
 - b) form bile juice
 - c) store bile juice
 - d) concentrate juice.

29. One of the following statement about pituitary gland is NOT correct;
One of the following statement about pituitary gland is NOT correct;
- a) Posterior pituitary blood consists of Axon of neurons
 - b) Anterior pituitary blood supply is from inferior hypophysial artery.
 - c) Blood supply to anterior pituitary is from hypothalamic hypophysial portal artery
 - d) Hypophysis cerebri is related to hypothalamus and opti chiasma.
30. Which of the statements below is NOT True about renal artery?
- a) It's a branch of abdominal aorta
 - b) Supply kidneys with blood
 - c) Divides into Lobar branches
 - d) Divides into afferent Arteriole