

Al Azhar University  
Faculty of Pharmacy



Anatomy final exam  
Time: 2 hours  
Date: 05/28/2017

Student name: \_\_\_\_\_  
Student No: \_\_\_\_\_

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Answers should be in blue pen only

Anatomy  
د. لؤي، د. أمل  
final 2017

**Q1: Answer the following sentences with (True) or (false):**

1	Tricuspid valve connect between right and left atria
2	The renal <u>morpho</u> -functional unit is the nephron
3	The CSF passes in the subdural space
4	The right lung has 3 lobes
5	The heart is present in the mediastinum
6	The adrenal gland is formed of cortex only
7	In the spinal cord the grey matter is located centrally
8	Osophagus is formed of 3 layers
9	The right lobe of the liver is larger than the left lobe
10	The testes lies outside the abdomen.
11	Capillaries are formed only of one layer
12	The segment of the colon to which the appendix is attached is the cecum
13	The innermost layer of the uterus is called the myometrium
14	The bronchioles are the smallest of the conducting passageways in the lungs
15	The ascending colon is found on the left side of the abdominal cavity
16	The small intestine runs from the pyloric sphincter to the ileocecal valve
17	The common iliac vein drains blood into the inferior vena cava
18	Renal artery is one of the branches of the aortic arch.
19	The epiglottis close the larynx during swallowing of food
20	Gall bladder lies in the inferior surface of the liver

**Choose the best answer:**

The outer most membrane of meninges is:

- a) Pia
- b) Arachinoid
- c) Dura
- d) Scalp

All of the following is true about the right bronchus except:

- a) Wider than the left
- b) Longer than the left
- c) More vertical
- d) in the right side of the heart

The vital centers for the control of visceral activities such as heart rate, breathing, blood pressure, swallowing, and vomiting are located in the:

- a) Medulla oblongata
- b) Pons
- c) Cerebrum
- d) Midbrain

4. The part of the brain connected to the pituitary gland is:

- a) cerebrum
- b) cerebellum
- c) hypothalamus
- d) midbrain

5. The upper most part of the stomach is:

- a) fundus
- b) pylorus
- c) body
- d) lesser curvature

6. The 5<sup>th</sup> cranial nerve is:

- a) olfactory
- b) facial
- c) trigeminal
- d) hypoglossal

7. Hilum of the lungs includes:

- a) pulmonary artery
- b) pulmonary vein
- c) bronchus
- d) all of the above

8. The lumbosacral plexus of the spinal cord supplies:

- a) head
- b) neck
- c) upper extremities
- d) lower extremities



9. All of the following are branches of abdominal aorta except
- coronary arteries.
  - Celiac
  - Suprarenal
  - Renal
10. Small intestine includes all except:
- Duodenum
  - Jejunum
  - Colon
  - ileum
11. Regarding lymphatics, all are true except:
- thin walls
  - no valves
  - carry lymph
  - have lymph nodes in the course
12. Lymph from the left arm would return to the heart through the:
- Thoracic duct
  - Aorta
  - Inferior vena cava
  - Right lymphatic duct
13. All of the following are cartilage supporting the larynx except
- hyoid bone
  - thyroid cartilage
  - cricoid cartilage
  - epiglottis
14. The liver lies in the:
- left hypochondrium
  - right hypochondrium
  - umbilical
  - hypogastric
15. Each of the following spinal nerves number is true except:
- 7 cervical
  - 12 thoracic
  - 5 lumbar
  - 1 coccygeal
16. The part of the pancreas lies in the duodenum is:
- Neck
  - head
  - tail
  - body
17. The kidneys lie at the level of:
- T1-T4
  - T12-L3
  - L1-L5
  - L4

8. Regarding thymus glands, the true is:

- a) Retrosternal
- b) secrete thymosin
- c) Lies in front of the heart
- d) All of the above

19. Afferent nerves are called \_\_\_\_\_, and motor nerves are called \_\_\_\_\_.

- a) Peripheral nerves; cranial nerves
- b) Sensory nerves; efferent nerves
- c) Cranial nerves; peripheral nerves
- d) Motor nerves; sensory nerves

20. All are true about urinary bladder relation except:

- a) Lies posterior to pubic bone
- b) Prostate present inferior to bladder in male
- c) Has trigone in the internal surface
- d) Directly related posteriorly to the rectum in male and female

21. Collections of nerve cell bodies inside the CNS are called:

- a) Nuclei
- b) Ganglia
- c) Nerves
- d) Tracts

22. The trigone openings in the urinary bladder includes:

- a) Rt. Ureter
- b) Lt ureter
- c) Urethra
- d) All of the above

23. Which one of the following represents the correct order through which food passes in the alimentary canal?

- a) Mouth, pharynx, esophagus, stomach, large intestine, small intestine
- b) Pharynx, mouth, esophagus, stomach, large intestine, small intestine
- c) Mouth, pharynx, esophagus, small intestine, stomach, large intestine
- d) Mouth, pharynx, esophagus, stomach, small intestine, large intestine

24. Urine is transported from the bladder to the outside of the body by the:

- a) Ureter
- b) Urethra
- c) Trigone
- d) Collecting duct

25. The lowest narrow part of the uterus that projects into the vagina is called the:

- a) Body
- b) Fundus
- c) Cervix
- d) Myometrium

26. The male gonads are:

- a) The testes
- b) The ovaries
- c) The accessory sex glands
- d) The sperm ducts

27. The superior rounded region of the uterus is called the:
- Fundus
  - Mons pubis
  - Cervix
  - Body
28. The release of food from the stomach into the small intestine is regulated by the:
- Cardio esophageal sphincter
  - Hepatopancreatic ampulla
  - Ileocecal valve
  - Pyloric sphincter
29. The thyroid gland is located:
- Within the parathyroid glands
  - within ant. part of the neck
  - Within the mediastinum
  - Within the pancreas
30. Most nephrons are located within the renal:
- Pyramids
  - Medulla
  - Calyces
  - Cortex
31. The organ that connects the pharynx to the stomach is the.
- Larynx
  - Esophagus
  - Cardia
  - Pylorus
32. The folds that lining the stomach, when the stomach is empty, are called:
- Parietal cells
  - Rugae
  - Gastric muscle
  - Fundus
33. All are ligaments of the ovaries except:
- Round ligaments
  - Suspensory ligaments
  - Broad ligaments
  - Ovarian ligaments
34. Which of these hormones is released by the adrenal medulla?
- sex hormones
  - aldosterone
  - glucocorticoids
  - epinephrine
35. The lobe of the brain lies under the frontal bone:
- frontal
  - temporal
  - parietal
  - insula



Two identical vertical grid templates are shown. Each template consists of a grid with 4 columns and 16 rows. The top row of the grid is shaded dark and contains the letters 'A', 'B', 'C', and 'D' from left to right. To the left of the grid is a vertical dark bar that spans the height of the grid, with some faint markings visible on its left edge. The grids are oriented vertically on a white background.

A	B	C	D

6. The site of the sperm synthesis is:

- a) Vas deferense
- b) Testes
- c) Epididymis
- d) prostate

7. The inner layer of the heart's wall is called the:

- a) Pericardium
- b) Epicardium
- c) Endocardium
- d) Endothelium

8. The part of the lung lies above the diaphragm is:

- a) Apex
- b) base
- c) mediastinal surface
- d) costal surface

9. Which one of the following terms does not apply to the nose?

- a) nasal septum
- b) nasal cavity
- c) external nares
- d) nasopharynx

10. The nasal cavity is separated from the oral cavity by:

- a) the nasal conchae
- b) both the hard and soft palate
- c) the hard palate
- d) the soft palate



**Q3: Mention:**

**1. Enumerate Cranial nerves:**

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**2. Types of neurons.**

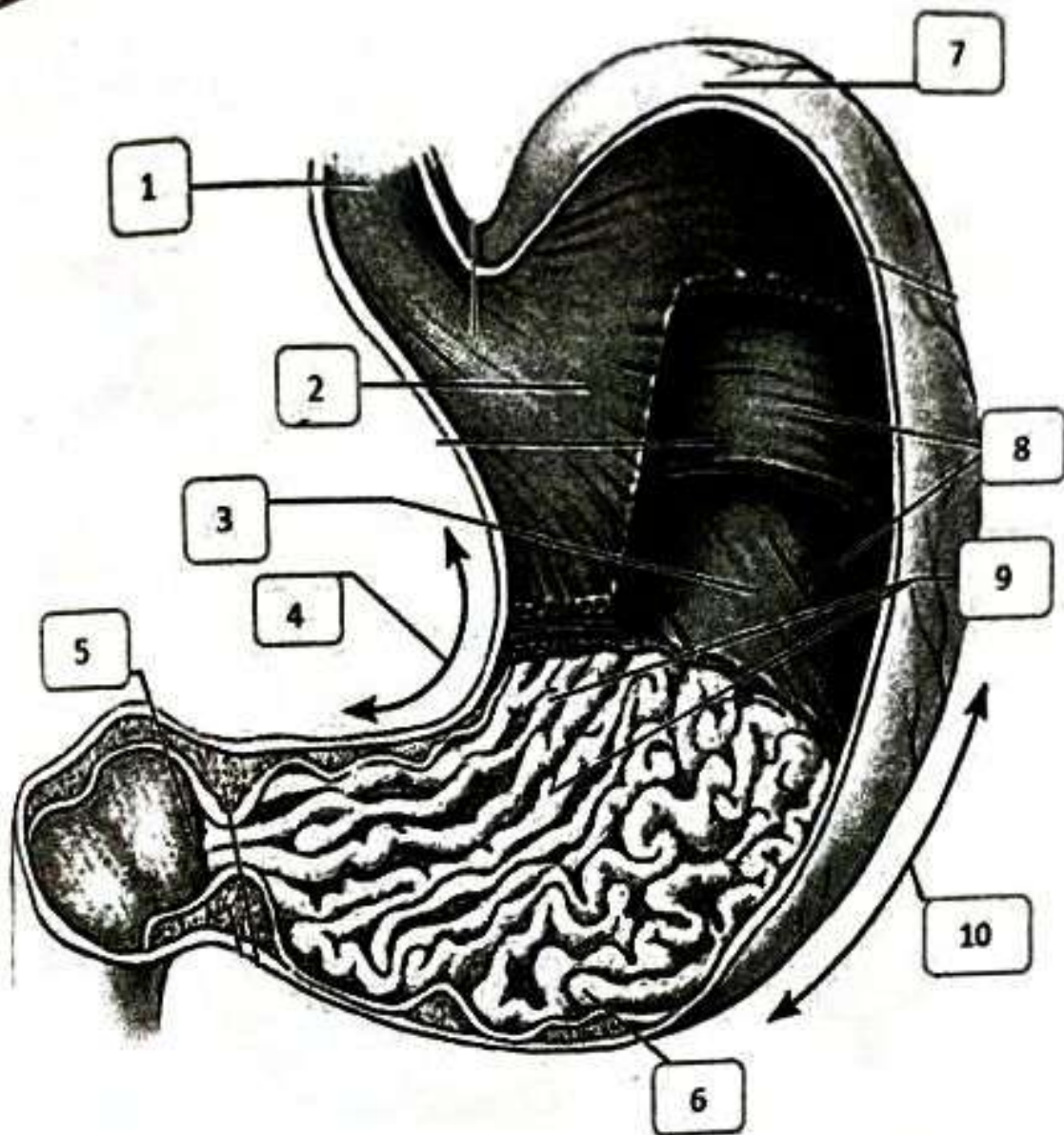
**3. Describe the upper respiratory tract briefly.**

**4. Differences between sympathetic and parasympathetic system.**

**5. Branches of aortic arch.**

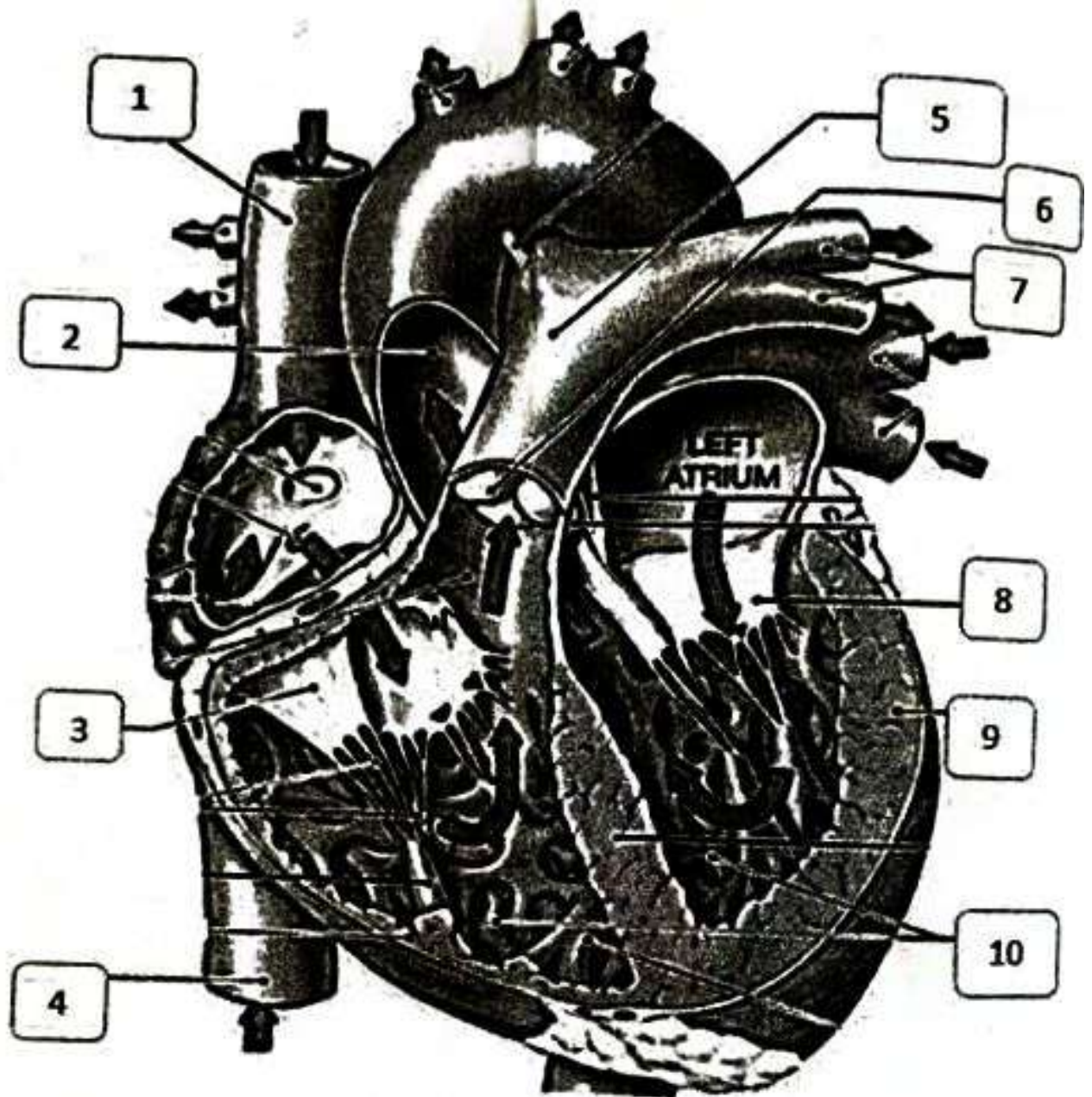
- 6. Enumerate conducting system of the heart.**
  
- 7. Enumerate endocrine glands.**
  
- 8. Please Enumerate Salivary Glands.**
  
- 9. Please Enumerate the layers of the GI tract.**
  
- 10. Please Enumerate the primary digestive organs.**

Label the figure:



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Good Luck