

Course No: PHLT 1306
Course Title: Anatomy & Physiology
Date: 6 /6/2017
No. of Questions: (9)
Time: 2hours
Using Calculator (No)

University of Palestine



Final Exam
2nd Term 2016/2017
Total Grade:50

Instructor Name: Dr. Amjad ElShanti
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: Health & Nutrition
Using Dictionary (No)

Question One: Put the sign (T) against the right sentences and the sign (F) against the wrong sentences: (10 Marks).

1. ()Cecum is the terminal part of the small intestine.
2. ()The internal urethral sphincter is smooth muscle.
3. ()The adrenal cortex is essential to life, but the medulla may be removed with no life-threatening.
4. ()The right and left sides of the cerebral cortex are connected by the Corpus Callosum.
5. ()Calcitonin is secreted by thyroid gland and opposes the action of the parathyroid glands by reducing the calcium level in the blood.
6. ()Right lung has three lobes while the left lung has only one lobe.
7. ()The largest salivary gland is the sublingual gland.
8. ()All branches of celiac artery supply the stomach by blood.
9. ()The middle layer of ureter is the fibrous connective tissue.
10. ()The cerebrospinal fluid (CSF) is produced from arterial blood by the Arachnoid villi of the lateral and fourth ventricles.
11. ()The second part of male urethra is called the membranous urethra.
12. ()Sphenoid sinus is located deep the face behind the nose.
13. ()Coronary arteries are branches of ascending aorta.
14. ()Contractility is the ability of body to sense changes within and around it.
15. ()Sweat gland ducts are examples of stratified cuboidal epithelium.
16. ()Axons of neurons have no ribosomes and take information away from the cell body.
17. ()Vertebrae are example of irregular bones.
18. ()Tricuspid valve regulates blood flow between left atrium and left ventricle.
19. ()The hippocampus is one part of the limbic system that is important for memory and learning.
20. ()Larynx extends from the base of skull to the level of the sixth cervical vertebra.

Question Two: Write the scientific term against the following phrases: (5 Marks).

1. () **A double-layered membrane surrounds the heart like a sac.**
2. () **The nerve which innervates the muscles of facial expression.**
3. () **Neurons that send information away from the central nervous system to muscles.**
4. () **The outer most layer of the membranes around the brain.**
5. () **Triangular area in the urinary bladder formed from two uretric openings and urethral opening.**
6. () **Slightly alkaline mixture of sperm cells and secretions from the accessory glands.**
7. () **The largest gland of the body located beneath the right hypochondriac region.**
8. () **The structures which form the root of the lung enter and leave the viscus.**
9. () **Part of small intestine, into which the stomach opens.**
10. () **Angular movement that decreases the joint angle.**

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Question Three: Select and circle the correct answer from the following alternatives for each sentence: (5 Marks).

1- Which of the following organs is an example of dry, keratinized, stratified Squamous epithelium:

- A. skin
- B. Tongue
- C. Urinary tract
- D. Blood vessels

2- Which of the following hormones secreted from posterior lobe of pituitary gland:

- A. Prolactin
- B. Glucagon
- C. Adrenaline
- D. Ant-diuretic Hormone

3- The following are parts of brain stem except:

- A. Medulla Oblongata
- B. Pons of verilli
- C. Midbrain
- D. Thalamus

4- The following arteries are branches of Arch of Aorta except:

- A. Brachiocephalic artery
- B. Left common carotid artery
- C. Right common carotid artery
- D. Left subclavian artery.

5-Which of the following joints is considered hinge joint:

- A. shoulder
- B. Knee
- C. Elbow
- D. Axis and Atlas

6- Which of the following muscle closes eye:

- A. Orbicularis oculi
- B. Buccinator
- C. Levator labii superioris
- D. Orbicularis oris

7- Which of the following cells produce male sex hormones (Testosterone):

- A. Cells of Leydig
- B. Sertoli's cells
- C. Spermatogonium B
- D. Oogonia

8- Which of the following muscles is responsible for expelling urine from the bladder when contracts:

- A. Detrusor muscle
- B. Papillary muscle
- C. Dartos muscle
- D. Cremaster muscle

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9- The following are considered accessory glands of male reproductive system except:

- A. Seminal vesicles
- B. Urethra
- C. Cowper's glands
- D. Prostate

10- The following bones are of importance to oral cavity except:

- A. Incisive bone
- B. Mandibles
- C. Maxillae
- D. Ethmoid

Question Four: Match between the terms of Group (A) and the phrases of Group (B): (5 Marks).

Group (A)	Group (B)	
1. Adipocytes	()	Blood cells destroy pathogens.
2. Osteocytes	()	Cartilage cells.
3. Mast cells	()	Connective tissue cells reproduce fibres.
4. myoblasts	()	Mature bone cells.
5. Goblet cells	()	Nervous tissue cells do not transmit impulses.
6. Leukocytes	()	Epithelial cells secrete mucus.
7. Erythrocytes	()	Mobile connective cells found near blood vessels.
8. Fibroblasts	()	Fusion of many skeletal muscle cells.
9. Chondrocytes	()	Blood cells carry oxygen.
10. Neuroglia	()	Fat cells contain a large droplet of lipid.

Question Five: Define the following scientific terms: (5 Marks).

1. Dendrites:-----
2. Trachea:-----
3. Islets of Langerhans:-----
4. Biliary tree:-----
5. Pleura:-----

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Question Six: Enumerate the followings: (5 Marks).

1- Nephron structures:

- a)-----
- b)-----
- c)-----
- d)-----
- e)-----
- f)-----

2-Coxal bones:

- a)-----
- b)-----
- c)-----

3- Hormones of adrenal cortex:

- a)-----
- b)-----
- c)-----

4- Skeleton of the larynx:

- a)-----
- b)-----
- c)-----
- d)-----

5- Functions of hypothalamus:

- a)-----
- b)-----
- c)-----
- d)-----
- e)-----

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Question seven: Justify the following sentences: (5 Marks).

1. The bronchi are lined with membranes and cilia.

Justification:-----

2. The concavity on the base of the right lung is deeper than that on the left lung.

Justification:-----

3. The uterus is considered as an organ.

Justification:-----

4. Injury of right hemisphere of cortex leads to paralysis of muscle in opposite side .

Justification:-----

5. Cardiac muscle has a much richer supply of mitochondria than skeletal muscle.

Justification:-----

Question Eight: Answer the following questions: (5 Marks).

1. Write short notes about anatomy of parts of mediastinum :

2. Compare between sympathetic and parasympathetic systems of autonomic nervous system :

Items	Sympathetic	Parasympathetic
Origin of preganglionic neurons		
Location of ganglions		
Neurotransmitter at ganglions		
Type of receptors at effectors		
Type of postganglionic neural fibers		
Time of Action		

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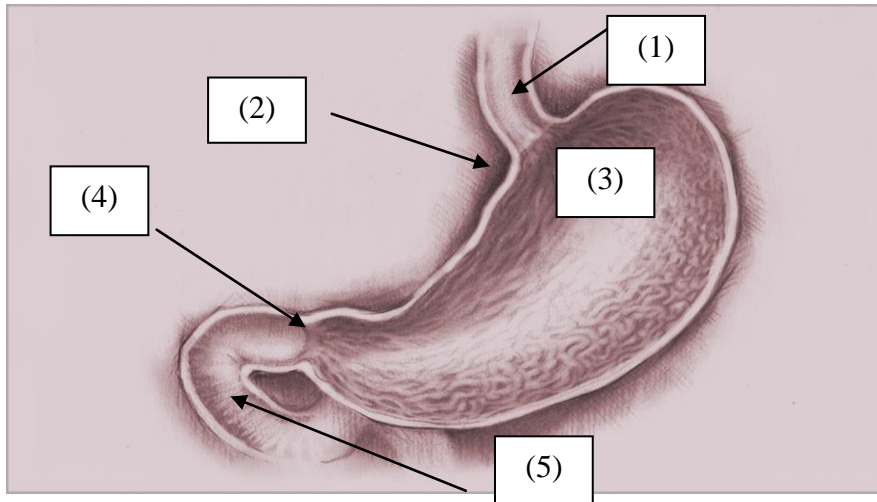


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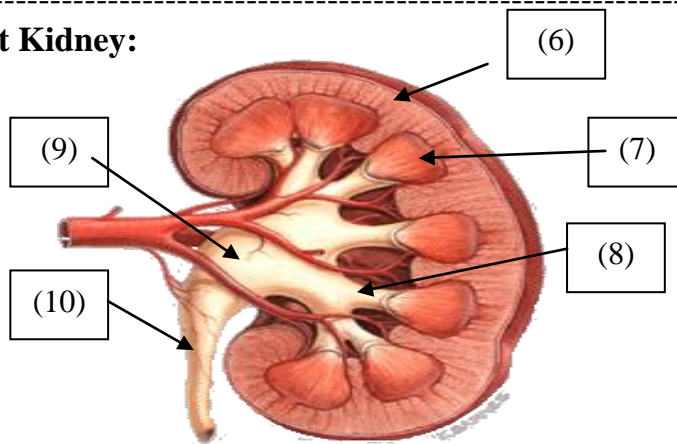
Question Nine: Write the anatomical terms for the following numbered parts: (5 Marks).

A) Stomach:



- (1)-----
- (2)-----
- (3)-----
- (4)-----
- (5)-----

B) Left Kidney:



- (6)-----
- (7)-----
- (8)-----
- (9)-----
- (10)-----

End of Questions
Good Luck