

Course No: PHLT 1306
Course Title: Anatomy & Physiology
Date: 31 /5/2018
No. of Questions: (8)
Time: 2hours
Using Calculator (No)

University of Palestine



Final Exam
2nd Term 2017/20178
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. () The shortest part of male urethra is called the membranous urethra.
2. () Maxillary sinus is formed since birth.
3. () Right subclavian artery is a branch of arch of aorta.
4. () Contractility is the ability of cell to shorten.
5. () Salivary gland ducts are examples of transitional epithelium .
6. () Axons of neurons have ribosomes and take information away from the cell body.
7. () Some facial bones are example of irregular bones.
8. () Pulmonary valve regulates blood flow between left atrium and left ventricle.
9. () Amygdala is one part of the limbic system that is important for controlling emotional response to a given position.
10. () Rectum is the terminal part of the large intestine.
11. () The ciliary muscle is smooth muscle.
12. () The suprarenal medulla is essential to life, but the cortex may be removed with no life-threatening.
13. () The right and left sides of the cerebral cortex are connected by the reticular formation.
14. () Glucagon is secreted by Pancreas gland and opposes the action of the action of Insulin by increasing the glucose level in the blood.
15. () Right primary bronchi is sorter and wider than the left primary bronchi.
16. () Parotid gland is the largest salivary gland .
17. () Superior Mesenteric artery supply the stomach by blood.
18. () The outer layer of ureter is the smooth muscle tissue.
19. () The cerebrospinal fluid (CSF) is produced from arterial blood by the choroid plexus of the brain ventricles.
20. () Esophagus 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 lungs like a sac.
2. () The nerve which innervates trapezius and sternocleidomastoid muscles .
3. () Neurons that send information away from the central nervous system to muscles.
4. () The inner most layer of the membranes around the brain.
5. () Muscle of urinary bladder that control the internal urethral sphincter
6. () Small gland that secret melatonin which affects the reproductive development.
7. () Type of bone has a broad surface.
8. () Structure considered part of limbic system and responsible for coordination of body movement.
9. () Terminal part of small intestine
10. () compound of angular and circular movement of humerus in shoulder joint.

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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 unkeratinized, stratified Squamous epithelium:

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

2- Which of the following hormones secreted from neurohypophysis:

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

3- The following are parts of forebrain stem except:

- A. Cerebral cortex
- B. Hypothalamus
- C. Tectum
- D. Thalamus

4- Which of the following arteries are branches of abdominal Aorta?

- A. Renal artery
- B. Femoral artery
- C. Gonodal artery
- D. Celiac artery.

5-Which of the following joints is considered a saddle joint:

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

6- Which of the following means formation of new cells:

- A. Growth
- B. Reproduction
- C. Differentiation
- D. Excitation

7- Which of the following cells produce male Calcitonin:

- A. Cells of Leydig
- B. Follicular cells
- C. Para-follicular cells
- D. Delta cells

8- Which of the following cranial nerves is pure sensory nerve:

- A. Trigeminal
- B. Fascial
- C. Abducent
- D. Optic

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9- Which of the following is the function of frontal lobe of brain:

- A. Vision
- B. Sensation
- C. Hearing
- D. Speech

10- The following bones are long bones except:

- A. Phalanx
- B. Metatarsal
- C. Carpal
- D. Femur

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

Group (A)	Group (B)	
1. Defence blood cells .	Erythrocytes	()
2. Cartilage cells.	Fibroblasts	()
3. Ccells reproduce fibres of connective tissue.	Chondrocytes	()
4. Bone cells.	Erythrocytes	()
5. Supporting cells of nervous tissue.	Goblet cells	()
6. Glandular cells secrete mucus.	Leukocytes	()
7. Connective tissue cells secrete histamine.	Adipocytes	()
8. Fusion of many skeletal muscle cells.	Osteocytes	()
9. Biconcave blood cells without nucleus.	Mast cells	()
10. Fat cells contain a large droplet of lipid.	Myoblasts	()

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

- 1. **Amphiarthroses:**-----
- 2. **Duodenum:**-----
- 3. **Pyramidal tract:**-----
- 4. **Hilum:**-----
- 5. **Mediastinum:**-----

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

1- Hormones of Adenohypophysis:

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

2-Longitudinal muscles of pharynx:

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

3-Cranal nerves originate from medulla oblongata :

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

4- Hormones act on growth and production of milk from mammary gland:

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

5- Functions of Skeletal system:

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

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

1. **Decreasing the flow of oxygenated blood to heart cells results in death of cells.**

Justification:-----

2. **Ciliated columnar epithelium is found in fallopian tube.**

Justification:-----

3. **Left lung has two lobes, while right one has three lobes.**

Justification:-----

4. **Dendrites of neurons have rough surface .**

Justification:-----

5. **Spinal nerve is a mix nerve.**

Justification:-----

Question Eight: Answer the following questions: (10 Marks).

1. **Write short notes about the following:**

A) structure of Nephron :

B)Structure and function of Sympathetic nervous system (Origin of neurons, Ganglia, Neurons, Receptors, Neurotransmitters & effects on viscera).

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2. Compare between the following:

A) Skeletal & Cardiac Muscles :

No.	Comparative Items	Skeletal Muscle	Cardiac Muscle
a.	Cell size		
b.	Cell shape		
c.	Nucleus		
d.	Innervation		
e.	Striation		
f.	Glycogen stores		

B) Endocrine & Exocrine glands

No.	Comparative Items	Endocrine glands	Exocrine glands
a.	Structure of gland		
b.	Secretions		
c.	Site of Secretions		
d.	Function		
e.	Examples		

Good Luck