

Course No: DMEC 1302
Course Title: Anatomy & Physiology1
Date: 23 /3/2013
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine



Mid-term Exam
2nd 2012/2013
Total Grade: 20

Instructor Name: Dr. Amjad El-Shanti
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: Assistant Dentist
Using Dictionary (No)

Question One: Put the sign (√) against the right sentences and the sign (X) against the wrong sentences: (2.5 Marks).

1. Nucleus is a single layer of unit membrane enclosing fluid in a sack ().
2. Mitochondrion is non-membranous, spherical bodies composed of RNA (ribonucleic acid) and protein enzymes considered site for protein synthesis ().
3. Tissue is a group of cells that have similar structure and that function together as a unit ().
4. The heads of the metacarpal bones are connected to the wrist bones ().
5. The pelvic girdle is composed of 2 hip bones, sacral bone and coccyx bone ().
6. Adipocyte is a fat cell contains such a large droplet of lipid ().
7. The skull is comprised of the eight cranial and fourteen facial bones ().
8. The ulna contributes more to the movement of the wrist and hand than the radius ().
9. Neuralgias are cells of nervous tissue transmit impulses. ().
10. Golgi complex is membrane-enclosed sphere that contain powerful digestive enzymes ().

Question Two: Write the scientific term against the following phrases: (2.5 Marks).

1. () Nine triplets of microtubules forms spindle fibers to separate chromosomes during cell division .
2. () Type of Neuron send information away from the central nervous system to muscles or glands.
3. () Muscle cells ; spindle shaped, have a single, centrally located nucleus, and lack striations.
4. () Free movable joint.
5. () Moves a body part to the side, away from the middle of the body.

Question Three: Select and circle the correct answer from the following alternatives for each sentence: (2.5 Marks).

1. The following organelles are found in cytoplasm of cell **except:**
 - a. Rough Endoplasmic Reticulum
 - b. Ribosomes
 - c. Golgi apparatus
 - d. Nucleolus
2. The following tissues are types of epithelial tissue **except:**
 - a. Blood
 - b. Pseudo-stratified
 - c. Simple cuboidal
 - d. Transitional
3. The following are flat bones **except:**
 - a. Ribs
 - b. Scapula
 - c. Sternum
 - d. Vertebra
4. The following are processes in scapula **except:**
 - a. Tubercle
 - b. Spine
 - c. Coracoid
 - d. Acromion
5. Which of the following muscle closes eye:
 - a. Orbicularis oculi
 - b. Buccinator
 - c. Levator labii superioris
 - d. Orbicularis oris

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

Group (A)	Group (B)	
1. the forearm supinates	()	Triceps brachii
2. adducts humerus	()	Rhomboid major
3. abducts arm	()	Supinator
4. retract scapula	()	Deltoid
5. extends the forearm at the elbow	()	Pectoralis major
	()	Pronator

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

1. Vein:-----
2. System:-----
3. Excitability:-----
4. suture:-----
5. Axon:-----

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

1-Branches of Arch of Aorta:

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

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2- Types of proper connective tissues:

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

3- Types of Neurons according to direction of information:

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

Question seven: Justify the following sentences: (1.5 Marks).

1. The Skeletal muscle tissues are rich of mitochondria.

Justification:-----

2. Pseudo-stratified columnar epithelium has this name.

Justification:-----

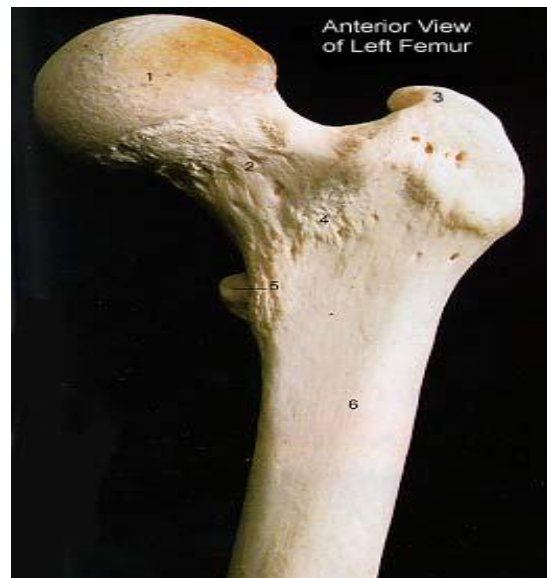
3. The heart is considered an organ.

Justification:-----

Question Eight: Answer the following questions: (3 Marks).

*Determine the name of the following numbered parts of the Femur in the table:

Numbered Parts	Name of parts
1-	
2-	
3-	
4-	
5-	
6-	



End of Questions
 Good Luck