

Course No: DMEC 1302
Course Title: Anatomy & Physiology1
Date:31 /10/2012
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine

Mid-term Exam
1st 2012/2013
Total Grade:20

Instructor Name: Dr.AmjadEl-Shanti
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

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

1. Tissues are the largest living units of human body ().
2. The mid- saggital plane divides the body or organs into superior and inferior ().
3. Muscle is derived from Endoderm ().
4. All veins carry oxygen-rich blood from the organs of body to the heart except pulmonary veins ().
5. Feotal period of gestation extends from third month up to delivery ().
6. The cell membrane is composed of protein and lipid ().
7. Myosin is the protein of thick filaments of myofibrils ().
8. Ascending aorta has not branches at all ().
9. All the valves of hearts are tricuspid except the mitral valve ().
10. Sympathetic innervations to heart decrease the heart rate.

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

1. () Veins that collect blood from upper parts of the human body to the heart.
2. () Plane that divides the body into superior and inferior.
3. () Arteries branched from the ascending aorta supply the heart by the blood.
4. () Type connective tissue cells responsible for production of the fibers of connective tissue.
5. () long projections from some human cells responsible for motile of cell like sperms .

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

1- The followings are considered proper connective tissue **except** :

- A. Dense connective tissue
- B. Loose connective tissue
- C. Bone
- D. Adipose tissue

2-Which of the following is considered **wrong** character of dendrites of neuron:

- A. Have ribosomes
- B. Rough surfaces
- C. Have myelin
- D. bring information into body

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3- Which of the cardiac valves is located between left atrium and left ventricle:
 A. Pulmonary valve
 B. Mitral valve
 C. Aortic valve
 D. None of above

4- The following arteries supply the lower limb except:
 A. Dorsalis pedis artery
 B. Popliteal artery
 C. Ulnar artery
 D. Femoral artery

5-The following are considered organs except:
 A. lungs
 B. Heart
 C. spleen
 D. Chondrocytes

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

Group (A)	Group (B)	
1. External genital developed	()	Eighth week of development
2. Embryonic tail shrinks	()	sixth week of development
3. Webbed fingers and toes developed	()	seventh week of development
4. Umbilical cord is visible.	()	Third week of development
5. Neural tube is closed.	()	Ninth week of development
	()	Eleventh week of development

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

1. Spermatogenesis:-----
2. System:-----
3. Excitability:-----
4. Reproduction:-----
5. Zygote:-----

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

1-Branches of Descending Abdominal Aorta:

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

2- Types of Stratified Epithelial Tissues:

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

3- Types of Neurons according to projections:

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

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

1. The left ventricle is larger and stronger than the right ventricle.
Justification:-----
2. Lysosomes sometimes called "suicidal bag".
Justification:-----
3. Sex of embryo is determined by the father of the child.
Justification:-----

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

1. Compare between skeletal muscle and smooth muscle tissues:

Comparative Item	Skeletal Muscle Tissue	Smooth Muscle Tissue
Shape		
location		
Nuclei		
Innervations		
Striation		

2. Determine one function for each of the following organelles:

Organelles	Function
Mitochondria	
Ribosome	
Golgi complex	
Centrosome	
Smooth Endoplasmic Reticulum	

3. Functions of Epithelial Tissues:

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

End of Questions
Good Luck