REV-01 DPH/03/08

D.PHARM. FIRST YEAR HUMAN ANATOMY & PHYSIOLOGY ER20-14T [REPEAT]

[USE OMR FOR OBJECTIVE PART]

Duration: 3 hrs.



1×20=20

Full Marks: 80 PART-A: Objective

Choose the correct answer from the following:

1. Which of the following mixes with food, softens it and breaks it.

- a. Saliva
- c. Pancreatic juice

- b. Bile
- d. None of the above
- 2. The function of food pipe is
 - a. Transferring food from mouth to throat
 - c. Transferring food from mouth to the intestine
- b. Transferring food from mouth to stomach
- d. All of these
- 3. Which of the following enzymes are responsible for digestion of proteins
 - a. Lipase

- b. Trypsin
- c. Pepsin d. None of the above
- 4. Which of the following tissues helps in body movementa. Epithelial tissue
 - b. Connective tissue

c. Nervous tissue

- d. Skeletal tissue
- 5. The smallest independently functioning biological unit of life
 - a. Cell

b. Molecules

c. Organs

- d. Tissues
- 6. The other name of knee cap is
 - a. Femur

b. Clavicle

c. Radius

- d. Patella
- 7. Ulna is a bone found in
 - a. Skull c. Chest

- b. Arms d. Legs
- 8. The process of formation of blood corpuscles
 - a. Haemolysis

b. Haemozoin

c. Haemopoisis

- d. Haemoter
- 9. Synovial joint cavities are filled with
 - a. Synovial fluid

b. Vitreous fluid

c. Serous Fluid

- d. Blood
- 10. Total no of facial bones are
 - a. 13

b. 14

c. 15

d. 16

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		11. 12.
		12.
		13.
		14.
		15.
		16. 17.
		18.
		19.
		20.

Thick filament is made up of					
a. Troponin	b. Tropomyosin				
c. Actin	d. Myosin				
What is the main function of lymphatic sys	tem				
a. To communicate information	b. To distribute oxygenated blood to all				
throughout the body	parts of the body				
c. To protect the body from disease and remove waste products from the cells	d. All of the body				
The common passage for both food and air	is-				
a. Esophagus	b. Trachea				
c. Pharynx	d. Larynx				
Central nervous system consists of					
 a. Brain, spinal cord, and nerves 	b. Brain only				
c. Spinal cord and spinal nerves	d. Brain and spinal cord				
The nerve that contains sensory fibers that a	are involved in hearing				
a. Cranial nerve II	b. Cranial nerve III				
c. Cranial nerve V	d. Cranial nerve VIII				
Kidneys help to					
a. Maintain blood volume	b. Maintain Blood pressure				
c. Control blood pH	d. All of the above				
The innermost layer of human eye is					
a. Sclera	b. Cornea				
c. Choroid	d. Retina				
Gland that is located at the base of the throat just above Adam's apple					
a. Pituitary gland	b. Thyroid gland				
c. Hypothalamus	d. Pineal gland				
Control of temperature, endocrine activity, metabolism, and thirst are function associate with					
a. Medulla oblongata	b. Cerebellum				
c. Hypothalamus	d. Cerebrum				
What is the function of gastrin					
a. Secretion of HCL	b. Enhancing gastric and mucosal				
	growth				
c. Gastric motility	d. All of the above				

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(PART-B: Short Answers)

[Answer any ten (10) from the following] [3x10=30]1+2=31. Define Skeletal System. Write the names of bones of axial skeletal system. 3 2. Draw the diagram of brain and define its parts. Draw and label the urinary system and write down its functions. 2+1=33 4. Explain cardiovascular system with proper diagram. 3 5. Write down the function of spleen. 1+2=3Define Nervous system and classify it. 3 7. Name the various parts of Human respiratory System with diagram. 3 8. Write down the mechanism of breathing. 3 9. What are the functions of Bile? 3 10. What do you mean by digestion? 3 11. Explain the mechanism of Renin Angiotensin System.

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(PART-C: Long Answers)

[Answer any six (6) from the following]

	Answer any six (b) from the following f	[5x6=30]
1.	Define all the digestive enzymes and mention their functions.	5
2.	Explain briefly about the conduction system of heart.	
3.	Write in detail about the physiology of muscle contraction.	5
4.	Write a brief note on a. Mitochondria b. Plasma membrane c. Golgi apparatus d. Ribosome e. Cytoplasm.	1 1 1 1
5.	Write in detail about coagulation of blood.	5
6.	Write about the anatomy and Physiology of eye.	
7.	Define the physiology of urine formation.	5

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