PARUL UNIVERSITY FACULTY OF PHARMACY D. Pharm., April-2019 Examination

Sub	r: 1 ject Code: 08600105 ject Name: Human anatomy and physiology		Date: 25/04/2019 Time: 10:00am to 1:00pr Total Marks: 80
	ructions		
l. Fi	igures to the right indicate maximum marks.		
2. N	lake suitable assumptions wherever necessary.		
0.1	Multiple Choice Questions (MCQs) (1 Mark Each)	(20)
1.	The normal life span of erythrocytes is about		
	(A) 80 days	(B) 110 days	
	(C) 90 days	(D) 120 days	
2.	The system consisting of the heart and blood vessels	is called	
	(A) Endocrine system	(B) Lymphatic system	
	(C) Circulatory system	(D) Lymphatic system	
3.	cavities are spaces within joints		
	(A) Nasal	(B) Synovial	
	(C) Orbital	(D) Oral	
4.	Histology would be best defined as a study of	·	
	(A)Cells	(B) Tissues	
	(C) Cell chemistry	(D) The gross structure	of body
5.	Elimination of metabolic wastes from the body is the	ne function of the	
	(A) Urinary system	(B) Endocrine system	
	(C) Lymphatic system	(D) Nervous system	
6.	Average body temperature is degrees cer	ntigrade	
	(A) 100	(B) 68	
	(C) 50	(D) 37	
7.	Organelle is referred as Power House of ca	· · /	
7.	(A) Nucleus	(B) Mitochondria	
0	(C) Golgi complex	(D) Lysosome	
8.	The voice box is known as	(\mathbf{D}) \mathbf{T}_{m} also a	
	(A) Alveoli	(B) Trachea	
0	(C) Larynx The basis functional unit of human kidney is	(D) Motormouth	
9.	The basic functional unit of human kidney is	(P) Cortor	
	(A) Henle's loop	(B) Cortex	
10	(C) Nephron The "Master sland" of endoarine system located at	(D) Pyramid	
10.	The "Master gland" of endocrine system, located at (A) Apical gland		
	(C) Pancreas	(B) Pituitary gland(D) Thyroid gland	
11	The structure of the male animal that carries both u		
11.	(A) Ureter	(B) Vagina	
	(C) Urethra	(D) Ovary	
12	As a general rule, arteries carry	(D) Ovary	
12.	(A) Urine	(B) Lymph fluid	
	(C) Oxygenated blood	(D) Deoxygenated bloc	h
13.			
1.J.	(A) Atria	(B) Alveoli	
	(C) Ventricles	(D) Bronchi	
11			
14	Process of taking tood in is called		
14.	Process of taking food in is called (A) Distillation	(B) Ingestion	

15.	Response to light leading to vision is initiate	d in which of the following cells			
	(A) Retinal pigment epithelial cells	(B) Rod cells			
	(C) Both cones and rodes	(D) Cone cells			
16.	Which term means toward or at the back of the body, behind				
	(A) Anterior	(B) Lateral			
	(C) Distal	(D) Dorsal			
17.	The process of blood cell formation is called				
	(A)Erythropoiesis	(B) Haemopoiesis			
	(C) Haemolysis	(D) Epiphyses			
18.	Which muscles that allow you to breath in and out?				
	(A) Nose	(B) Trachea			
	(C) Tongue	(D) Diaphragm			
19.	9. Which type of gland secrets hormones directly into bloodstream rather than into ducts leading to				
	exterior of the body				
	(A) Endocrine gland	(B) Sweat gland			
	(C) Exocrine gland	(D) All of above			
20.	The chambers of the heart are known as				
	(A) Ventricles and areas	(B) Ventricles and cavities			
	(C) Atria and cavities	(D) Atria & ventricls			
Q.2	D.2 Long Answers (any 8 out of 10) (05 Mark Each)				
1.	. What is blood coagulation? Describe the mechanism and factors affecting blood coagulation.				
2.	. Write the differences between parasympathetic and sympathetic nervous system				
3.					
4.					
5.					
6.	Discuss anatomy and physiology of Liver				
7.					
8.	Draw a labeled diagram of male reproductive				
9.	What is digestion? Discuss the digestion of p	rotein and carbohydrates			
	. Explain Physiology of Muscle Contraction				
	Short Answers (2 Mark Each){ Answer any	7 10}	(20)		
1.	Draw and label the structure of nephron.				
2.	Enumerate bones of skull.				
3.	Define: Blood pressure and Anaemia				
4.	Name the hormones secreted from anterior and posterior pituitary gland				
5.	Draw labeled diagram of Skin and enlist functions of it.				
6. 7	Discuss salivary glands and its functions	_			
7. 8.	Give Physiological actions of Glucocorticoids	8			
	What is CSF? Write down its compositions				
9. 10	What is Metabolism? Write normal BMI for Male and Female				
	Describe the functions of testis List the enzymes that act on carbohydrate, protein & fat				
11.	Draw labeled diagram of human eye	orem & rat			
14.	Draw labeled diagram of numan eye				