Nam	e:			
Enrolment No:				
	UPE	S		
Progr	End Semester Theory Exam se: Human Anatomy and Physiology-I am: B. Pharm. se Code: BP 101T			
	Instructions: Attemp	t all the questions		
	SECTIO			
S. No.	Multiple Choice Questions and one line an	swer type Questions (20X1=20)	Marks	CO
			20	
Q 1.	<ul> <li>Which of the following is NOT an organ system in the 1</li> <li>a) Respiratory system</li> <li>b) Endocrine system</li> <li>c) Digestive system</li> <li>d) Skeletal system</li> </ul>		1	CO2
Q 2.	<ul> <li>Which of the following is the largest organ in the huma</li> <li>a) Liver</li> <li>b) Brain</li> <li>c) Skin</li> <li>d) Heart</li> </ul>	n body?	1	CO1
Q 3.	The protective membranes that surround the brain and s a) Synapses b) Meninges c) Neurons d) Ganglia	spinal cord are called the:	1	CO3
Q 4.	<ul> <li>Which of the following is NOT a sense organ?</li> <li>a) Eyes</li> <li>b) Nose</li> <li>c) Ears</li> <li>d) Esophagus</li> </ul>		1	CO1
Q 5.	<ul> <li>What is the function of the thalamus in the brain?</li> <li>a) Regulating body temperature</li> <li>b) Processing sensory information and relaying</li> <li>c) Controlling balance and coordination</li> <li>d) Regulating sleep-wake cycles</li> </ul>	it to the cortex	1	CO2
Q 6.	A bundle of axons in the peripheral nervous system is c a) Synapse b) Ganglion c) Nucleus d) Nerve	called a:	1	CO3

		1	1
0.5	Which division of the autonomic nervous system is responsible for "rest and digest"		
Q 7.	activities?		
	a) Sympathetic		
	b) Parasympathetic	1	CO1
	c) Somatic		
	d) Enteric		
	Which type of muscle tissue is found in the walls of the stomach and blood vessels?		
Q 8.	a) Skeletal		
	b) Cardiac	1	CO2
	c) Smooth	1	02
	d) Connective		
	Which cell organelle is involved in the synthesis of proteins?		
Q 9.	a) Mitochondria		
	b) Golgi apparatus	1	CO2
	c) Ribosome	1	02
	d) Lysosome		
	Which of the following is NOT a stage of mitosis?		
Q 10.	a) Prophase		
	b) Interphase	1	COD
	c) Anaphase	1	CO2
	d) Telophase		
	The pigment responsible for giving color to the skin, hair, and eyes is called:		
Q 11.	a) Melatonin		
	b) Melanin	1	005
	c) Collagen	1	CO5
	d) Keratin		
	Which chamber of the heart receives oxygenated blood from the lungs?		
Q 12.	a) Right atrium		
	b) Right ventricle	1	CO2
	c) Left atrium	1	CO3
	d) Left ventricle		
0 13.	The "lub-dub" sounds of the heartbeat are associated with which events in the cardiac		
-	cycle?		
	a) Atrial contraction and relaxation		
	b) Ventricular contraction and relaxation	1	CO5
	c) Aortic valve opening and closing		
	d) Pulmonary valve opening and closing		
Q 14.			
•	interpreted		
	by the brain?		
	a) Cornea	1	CO1
	b) Lens	1	
	c) Retina		
	d) Optic nerve		
	-, spectre		

	Which of the following vessels carries oxygenated blood from the lungs to the heart?		
<b>Q</b> 101	a) Pulmonary artery		
	b) Pulmonary vein	1	CO5
	c) Aorta	1	
	d) Superior vena cava		
Q 16.	Which component of blood is responsible for clot formation?		
C.	a) Platelets		
	b) Red blood cells	1	CO2
	c) White blood cells	1	
	d) Plasma		
0 17.	The term "cardiac output" refers to:		
<b>L</b>	a) The amount of blood pumped by each heartbeat		
	b) The total volume of blood in the body	1	CO4
	c) The pressure of blood in the arteries	1	
	d) The percentage of oxygen in the blood		
Q 18.			
<b>L</b> = 00	a) Vitamin A		
	b) Vitamin B12	1	CO2
	c) Vitamin C	1	002
	d) Vitamin K		
0 19.	Which factor is known as the "Christmas factor" and is part of the intrinsic pathway?		
	a) Factor VII		
	b) Factor VIII	1	CO3
	c) Factor IX		
	d) Factor X		
Q 20.	What is anemia?	1	CO1
	SECTION B		1
	Long Answers (Answer two out of) 2X10		
		20	
Q 1.	Discuss the structure and function of cranial and spinal nerves	<b>20</b> 5+5	C01,
	Discuss the structure and function of cranial and spinal nerves Explain the anatomy and functions of the cardiovascular system.		CO1, CO2
Q 2.		5+5	-
Q 2.	Explain the anatomy and functions of the cardiovascular system.	5+5 10	CO2
Q 2.	Explain the anatomy and functions of the cardiovascular system. Write a detailed note on axial skeleton system.	5+5 10	CO2
Q 2.	Explain the anatomy and functions of the cardiovascular system. Write a detailed note on axial skeleton system. SECTION C	5+5 10	CO2
Q 2.	Explain the anatomy and functions of the cardiovascular system. Write a detailed note on axial skeleton system. SECTION C	5+5 10 10	CO2
Q 2. Q 3.	Explain the anatomy and functions of the cardiovascular system. Write a detailed note on axial skeleton system. SECTION C Short Answers (Answer 7 out of 9) 7X5	5+5 10 10 35	CO2 CO1

Q 3.	Write a note on connective tissue.	5	CO1
Q 4.	Explain the steps involved in pathophysiology of bone healing.	5	CO5
Q 5.	Write a note on composition and functions of blood.	5	CO1
-	Differentiate between the structural and functional classifications of joints. Provide examples of each.	5	CO2
Q 7.	Discuss the structure and function of blood brain barrier.	5	CO4
Q 8.	Write a note on tissue involved in lymphatic system with their function.	5	CO2
Q 9.	Describe the structure and functions of the skin.	5	CO1