

End Semester/Reappear (Semester I) Examination March 2022

Programme: B. Pharm	Full Marks: 75 Time: 3 Hrs				
Subject: Human Anator Subject Code: BP101T	Time: 5 mrs				
Enrollment No:					
Em omnent No.					
	S	ection I			
	Objective type questions. Answer all questions.		$20 \times 1 = 20$		
o i	i. The sagittal plane divides the human body into:				
(a) left and right port		perior and inferior por			
	portions (d) up				
ii. The state of dynamic e environment is called	quilibrium between inter	nal physiological envir	onment and changing external		
(a) Metabolism	(b) Homeostasis	(c) Exocytosis	(d) Digestion		
iii. The powerhouse of the	ne cell is				
(a) Lysosome	(b) Nucleus	(c) Mitochondria	(d) Golgi body		
iv. The study of tissues is	called as				
(a) Cytology	(b) Physiology	(c) Pathology	(d) Histology		
v. Blood is a type of which	ch tissue?				
(a) Epithelial tissue	(b) Muscular tissue	(c) Cardiac tissue	(d) Connective tissue		
vi. Sebacious glands or o	il glands secrete				
(a) Keratin	(b) Tears	(c) Sebum	(d) Sweat		
vii. Which of the following	•				
(a) Nasal bone	(b) Mandible	(c) Temporal bone	(d) Maxilla		
viii. Smallest bone in the	human body is				
(a) Stapes	(b) Malleus	(c) Incus	(d) Hyoid Bone		
ix. Ball-and-socket joint					
(a) Shoulder	(b) Ankle	(c) Knee	(d) Elbow		
x. Red Blood Cells are a					
(a) Lymphocytes		(c) Leukocytes	(d) Platelets		
xi. Normal range of Haen	•				
(a) $9-11 \text{ g}/100 \text{ ml blows}$	` '	1.5-16.5 g/100 ml bloom	od		
(c) 13.2–16.6 g/100 r		0-13 g/100 ml blood			
xii. The outer zone of der	• • • • •	• •			
(a) Paracortex	(b) Medulla	(c) Sinus	(d) Cortex		
xiii. The process of blood					
(a) Erythropoiesis	(b) Osteogenesis	(c) Leukopoiesis	(d) Haemopoiesis		
xiv. Afferent nerves carry	•	• •			
(a) To the peripheral	<u>-</u>	(b) From the central nervous system			
(c) To the central ner	vous system	(d) From the cortex			

XV.	How many pairs of crani	al nerves are there in h	uman body?				
	(a) 10	(b) 12	(c) 13	(d) 23			
xvi	xvi. The primary pigment Rhodopsin is found in which part of the eye?						
	(a) Rods	(b) Cornea	(c) Choroid	(d) Cones			
xvi	i. What is the condition ca	alled when passengers	travelling by any route	feel nausea and vomiting?			
	(a) Motion sickness ((b) Otitis (c) Labr	ynthitis (d) Deaf	ness			
xvi	ii. Mitral valve is also kno	own as					
	(a) Tricuspid valve	(b) Bicuspid valve	(c) Semilunar valve	(d) None			
xix	How much time is requi	red for completion of o	cardiac cycle?				
	(a) 0.1	(b) 0.01	(c) 0.8	(d) 0.08			
xx. Blood pressure in human is measured by the							
	(a) Electro-cardiogram	(b) Stethoscope	(c) Barometer	(d) Sphygmomanometer			
2.	Fill in the blanks			$5 \times 1 = 5$			
a. The major component of the cell membrane is							
b. The liquid portion which forms the major portion of the blood is							
c	c. There arepair of ribs in the human body.						
d	-		<u> </u>	cells			
e			•	ns per deciliter of blood.			
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		Se	ction II				
3.	Short Answer type que	$5 \times 4 = 20$					
a. Write about the structure and function of Plasma Membrane.							
b. Discuss the structure and functions of Skin.							
c. Enumerate the differences between Cranial nerves and Spinal nerves.							
d. Write a note on the various types of joint movements.							
	e. With the help of neat and well labeled diagram explain the structure of a Neuron.						
	f. Write a note on Sickl	le-cell anemia.					
		Sec	ction III				
Lo	ng Answer type question	ns. Answer any three.		$3 \times 10 = 30$			
4.	Explain the various bloo	d coagulation factors a	nd discuss the mechan	ism of blood coagulation.			
	Enumerate the various bones of the skull. Give an account of the facial bones.						
	. Differentiate between the Sympathetic and Parasympathetic nervous system. Give the functions of						
	each system.	- 1	- 1	•			
7.	Explain the physiology of	of Eye.					
	Discuss the etiological factors and the pathophysiology of Hypertension.						
