

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Medical and Allied Sciences Summer Term Examination – July - August 2024 [Programme: D. Pharm] [Year:1 st] [Batch: Summer 2023-24]				
Course Title: Human Anatomy & Physiology		Max Marks: 100		
Course Code: ER20-14T		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Explain the functions of connective tissues in the human body and give examples of different types of connective tissue.	K2	CO1	5
2.	Classify the role of mitochondria and draw a well labelled diagram.	K2	CO2	5
3.	Explain the common disorders and conditions that affect joints and their impact on mobility.	K2	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	Explain the role of lymph nodes in the lymphatic system.	K2	CO1	10
5.	Apply your knowledge on the renin-angiotensin system and its role in the body.	K3	CO2	10
6.	Classify the structure and functions of the spleen.	K4	CO3	10
7.	Apply your knowledge on the role of adrenal gland in hormonal regulation.	K3	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	Explain the structure and functions of the bones in the axial skeleton. How do they differ from those in the appendicular skeleton.	K4	CO3	15
9.	Explain the anatomy and physiology of the sympathetic and parasympathetic branches of the autonomic nervous system (ANS).	K5	CO4	15
10	Estimate the anatomy of respiratory organs and their functions and draw a well labelled diagram.	K5	CO5	15