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Subject Code: B13104/R13 I B. Pharmacy I Semester Regular/Supplementary Examinations Feb. - 2015 HUMAN ANATOMY & PHYSIOLOGY-I

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B** Answering the question in **Part-A** is Compulsory, Three Questions should be answered from **Part-B** *****

PART-A

- 1.(i) Classify leukocytes and enlist their functions.
 - (ii) Write a note on respiratory volumes.
 - (iii) Classify various types of connective tissues with examples.
 - (iv) Draw a neat labeled diagram of heart.
 - (v) Discuss the importance of water and electrolyte balance.
 - (vi) Write a note on composition and functions of bile.

[4+3+4+4+4+3]

PART -B

2.	(a) Write the mechanism of contraction of skeletal muscle.		
	(b)	Discuss the general features of synovial joints. Enumerate the nature and function	ions of
		synovial fluid.	
			[8+8]
3.	(a)	Write a note on blood clotting mechanism.	
		Describe the erythropoiesis and mention the factors regulating erythropoiesis.	
			[6+10]
4.	Wr	ite a short note on following.	
		(a) Congestive heart failure	
		(b) Electrocardiogram	
		(c) Blood pressure regulation	
		(d) T and B lymphocytes.	
		(a) I and D lymphocycos.	[2+5+5+4]
5	(2)	Explain the mechanism of respiration.	[2131311]
5.		Write a note on the regulation of respiration.	
	(0)	white a note on the regulation of respiration.	[8+8]
6	(a)	Evaluin disastion of foods in small intesting	[0+0]
0.	• •	Explain digestion of foods in small intestine.	
	(b)	Describe the structure and functions of liver.	F0 01
			[8+8]
7.	• •	Explain in detail about Renin – Angiotensin- Aldosterone (RAA) pathway.	
	(b)	Describe the histology of kidney with a neat labeled diagram.	
			[8+8]
Page 1 of 1			

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