17 OCJ 2019

FIRST BHMS (NEW SYLLABUS

Physiology and Biochemistry - Paper I

100 Marks

	etions:-[1] All the Questions are compulsory. te the Both Sections in Separate answer Book.	[3] Draw Diagrams where ever Necessary. [4] Figures to the right indicate full Marks	
	SECTIO		
Q-1	Define stroke volume. It's normal value. Explain detail.		15
	OR		15
Q-1 Q-2	Define Erythropoiésis. Site of erythropoiesis. Described stages of erythropoiesis in detail. Which are properties of cardiac muscle? Described in detail each one. OR		15
Q-2	 Immunoglobulin(Definition, composition, parts & classification) Diastolic event of cardiac cycle. 		08 07
Q-3	Write Short Note (Any three)	4) 7007	15
	(a) Lymph node(c) Difference between DNA & RNA(e) Platelets plug	(b) ECG Leads (d) Osmosis	
.Q4	 Write short questions. 1. What is pulse pressure? 2. What is function of endoplasmic Reticul 3. Define diffusion 4. What do you mean by Rh incompatibilit 	y?	05
•	5. Give two difference between HBA & HI	3F, ·	
•	Section	- H	
Q-1	Describe the transport of carbon dioxide from tissue cells to lungs. OR		15
Q-1	Describe mechanism of concentration and dilution of urine.		15
Q-2	Described structure of respiratory membrane, diffusion capacity and mecha of exchange of gases between alveoli and blood. OR		15
Q-2	1 Define pulmonary ventilation. Described	l pulmonary functions test in detail.	08
Q-2	2 Define nephron. Types of it's. Described	histology of nephron in detail.	07
Q-3	Write Short Note (Any three)		15
	(a) Micturition reflex	(b) Saltatory conduction	
٠	(c) Lung compliance	(d) Glands of skin	
	(e) Bohr's effect		
Q-4	Write short questions.		05
	1. What is dead space?		
	2. Define sarcomere.		
•	3. Enumerate structure of JGA.		
	4. What is vital capacity?		
	5. Enumerate layers of Epidermis of skin.		

Time: - 3 Hrs.