1 9 DEC 2019

10194

FIRST BHMS (NEW SYLLABUS Physiology and Biochemistry - Paper I

100 Marks

Time: -	. 3	Hrs.		
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Instru [2] Wr	ictions:- [1] All the Questions are compulsory. ite the Both Sections in Separate answer Book. [3] Draw Diagrams where ever Necessary. [4] Figures to the right indicate full Marks		
	Section - I		
Q-1	Define arterial blood pressure. Which are the regulatory mechanism to regulate it. Explain hormonal regulation of blood pressure in detail.	15	
	OR		
Q-1 Q-2	Described morphology, development & functions of each Leucocytes. Define blood clotting. Which are main steps of blood clotting. Explain extrinsic pathway of blood clotting with diagram in detail.	15 15	
0.0	OR		
Q-2	1. Hemoglobin(definition, types, derivative & functions)	0.7	
*	2. Define cardiac out put. Which are factors affecting on it's	07	
Q-3	write short Note (Any three)	08	
	 (a) Mitochondria (b) Difference between Red bone marrow & white bone marrow. (d) Surface tension 	15	
Q-4	Write short questions.		
	1. Define electrocardiogram.	05	
	2. Define Lymph node.		
	3. Enumerate morphological classification of anemia.4. What is acid base buffer system? Which are?5. What is Gene?		
	Section - II		
.Q-1	Explain the transport of oxygen by the blood from alveoli to the tissue cells. OR	15	
Q-1	Describe in detail physiology of Micturation.		
Q-2	What is glomerular filtration? What is normal rate of it's? Described factors affecting on GFR in detail.	15 15	
0.2	OR		
Q-2	1. Nervous regulations of respiration.	08	
0.0	2. Reabsorption of water through renal tubules.		
Q-3	write Short Note (Any three)	07	
	(a) Dead space (b) Peculiarities of renal circulation	15	
	(c) Neuromuscular junction (d) Role of hypothalamus in regulations of body temperature.		
Q-4	Write short questions.		
	1. Define motor unit	05	
	2. What is sebum? Give it's function?		
	3. What is counter current mechanism?		
	4. Define compliance.		
	What is full from of FRC & ERV?		