FIRST B.H.M.S EXAMINATION - 2017 PHYSIOLOGY & BIOCHEMISTRY PAPER - I (New Syllabus)

	OCI NOV 2017 31	Hours
00 Ma		
4	tions.	
. Atten	npt all questions from each section res to the right indicate full marks	
	c	
1 With	separate sections on separate answer sheets.	1.5
	Define cardiac impulse. Describe the conductory system of the heart. Draw a labeled diagram OR	15
	Define cardiac impulse. Describe the contact of the "Pace maker potential". OR OR Define homeostasis. Mention the ways through which it achieved. Draw labeled diagram of the contact o	15
Q-1	both intrinsic and extrinsic pathway.	15
Q-2	both intrinsic and extrinsic pathway. Define erythropoiesis. Describe development of RBCs with factors affecting on it. OR a. Define blood pressure. Types of blood pressure. Describe short term regulation of	08
Q-2	a. Define blood pressure.b. Define immunity. Types of immunity. Describe in detail about immunoglobulin.	07 15
0.3	YV. 'to short notes (any three)	10
Q-3	a. Osmosis b. Spleen c. Heart sounds	
	d. Heart sounds e. ABO blood group f. RE system	05
Q-4	Give answer in one to two sentences.	
	a. What do you mean by metabolic alkalosis? Which are the causes of its?	
	b. Define ESR.	
	c. Define windkessel's effect.	
	d. Functions of thymus gland	
	e. Define surface tension	
	TT .	1
Q-1	What is counter current mechanism? Describe the mechanism involved in concentration of OR	
	urine formation. Describe in detail physiology of pulmonary ventilation. OR OR	1
Q-1	Describe in detail physiology of pulliform O_2 by the blood from alveoli to the tissue. OR	1
Q-2	D '-town conters	(
Q-2	a. Respiratory centersb. Describe role of PCT in tubular reabsorption	(
Q-3	Write short notes (any three)	
	a. Work of breathing	
	b. Respiratory membrane	
	c. Micturation reflex	
	d. Heat balance	
	e. Resting membrane potential	
Q-4	Give answer in one to two sentences.	
Q-1	a. Define residual volume and give its normal value	
	b. Define compliance	
	The CER and what is its normal value?	
	d. What do you mean by lethal core temperature? What is value of low and high lethal core temperature?	
	e. Define muscle tone.	