

## **HAY-M20174** Seat No. \_\_\_\_\_

## First Year M. B. S. Examination

July - 2017 Physiology

Tim	e : <b>3</b>	Hou	rs]	[ Total Marks :	<b>50</b>		
(2)				Answer each section in separate answer boo Draw diagrams wherever necessary. Illegible answers will not carry marks.	ok.		
				SECTION - I			
1	Define muscle tone. Write in detail about physiological anatomy, mechanism and functions of muscle spindle and its role in stretch reflex.						
				OR			
1	basi	at is emotion? Write in detail about physiological 8 is of reward and punishment in process of learning and ption.					
2	Write short notes on: (1) Action potential OR						
		Nerve injury					
	(2)	Exci	tation	Contraction coupling of smooth muscle OR			
		Mole	ecular l	basis of skeletal muscle contraction			
3	(a)	Write in detail about cortico-spinal track and detailed about upper motor neuron lesion.					
	(b) Explain in 2-3 sentences:						
		(1)	What	is lambert-eaton syndrome?			
		(2)	What	is Chronaxie?			
		(3)	What :	is secondary active transport and give its two oles?			
		(4)	What	is molecular motors?			

## SECTION - II

4		Write in detail about synthesis, action and regulation of Adrenal medullary hormone.				
		OR				
4		at is calorigenic action of Thyroid hormone? Explain thesis, functions and regulation of Thyroid hormone.				
5	Wri	Write short notes on:				
	(1)	Sense of smell				
		OR				
		Impedance matching				
	(2)	Placenta				
		OR				
		Oral contraception				
6	(a)	What is Hypocalcemic tetany? Write about hormonal regulation of Calcium.				
	(b)	Explain in 2-3 sentences:	4			
		(1) What is UMAMI taste?				
		(2) What is Hornor's syndrome?				
		(3) What is angular acceleration and name its receptor?				
		(4) What is precocious puberty?				