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

100 M	Iark			3]	Hours
	actions:				
1. Att	empt all ques	tions from each section			
2. Fig	ures to the rig	ght indicate full marks			
3. Dra	w figure whe	erever necessary. ections on separate answe	r cheets		
4. Wr	ite separate se	setions on separate answe	Sect.	ion I	
Q-1	Discuss fun	ctions of hypothalamus in	detail.	OR	15
Q-1	Describe the composition, functions & mechanism of secretion with regulation of gastric juice.				15
Q-2	Digestion a	nd absorption of carbohyo	lrates in d	etail. OR	15
Q-2	a. Functions of basal ganglia				08
	b. 1	Describe digestion of lipid	ds and beta	a oxidation of fatty acid	07
Q-3	Write short notes (any three)				15
	a.	Draw labeled of Dorso-m	edial path	way	
	b.	Properties of nerve fibers			
	c. Properties, composition and functions of saliva				
	d.	Movements of small intes	stine		
	e.	Taste pathway			
Q-4	Give answer in one to two sentences.				05
	a. Define synapse				
	b. Define reflex arc				
	c.	Name the receptor of aud	itory sens	ation and place where it is suited?	
	d. Name the bile pigments				
		D. G			
	Section II				
Q-1	hormones.	Enumerate secretions responsible for calcium homeostasis. Discuss physiology of parathyroid hormones. OR			
Q-1	Explain fu	nctions of testosterone and	d write a n	note on spermatozoa.	15 15
Q-2	Enumerate detail	OR			
Q-2		Describe in detail about i			08
	b. Describe in detail the ovarian changes during menstrual cycle				07
Q-3	Write shor	t notes (any three)			15
	a.	Dwarfism	b.	Puberty changes in female	
		c. Krebs's cycle	d.	Vit. C	
	e. Classification of carbohydrates				
Q-4	Give answer in one to two sentences.				05
	a. Enumerate hormones secreted by post. Pituitary gland				
	b. Define menopause				
	c.				
	d. Which are the sources of Vit. A?				
	e.	Define BMR.			