FIRST YEAR BHMS (NEW SYLLABUS) EXAMINATION AUGUST - 2016 PHYSIOLOGY-PAPER - II Code-10195

Time: 3	hours	Total Mark	s:100
2. Figur 3. Mak	mpt all questions from each section res to the right indicate full. e suitable assumptions wherever necessary.	E. J. S. SCHELLES ST. L. LEWIS ST. CO., L.	
4. WIII	e separate sections on separate answer sheets.	and the second of the second o	
	Costion I	and the major of the fifth the second of the second of	
	Section - I		
Q-1	Enumerate different descending tracts. Describe in deta	il origin, course and termination of	15
	different pyramidal tracts.		
	OR		
Q-1	Describe the digestion and absorption of carbohydrate.		15
Q-2	Describe physiology of limbic system in detail.		15
	OR		
Q-2	1. Nervous and hormonal regulation of secretion o	f gastric inice	08
*	2. Define receptors. Classify them. Describe their		07
Q-3	Write Short Note (Any three)	properties in detail.	15
	(a) enumerate neurotransmitter and write short note on acety	Icholine (h) Correcycle	13
	(c) define synapse. Describe properties of synapse	(d) rods and cons	
	(e) define ketosis. Write short note on ketone bodies.	(d) rods and cons	
0.4			
Q-4			05
	 An area of brain that includes both grey and white m a. Cerebral cortex 		
	[BLATE STATE] [10 THE STATE STA	Same time through the	
	병원 경기 교통이 되었다. [1] 이 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AND THE SERVICE SERVICES	
	d. Corpus callosum	and Artifaction of the Artifacti	
	2. Meissner's corpuscle;		
	a. Detects the degree of tension in the muscles	The state of the s	
	b. Detects the rate of change of muscle length		
		Charles in Ma To market and B. A.	
	d. Responds specifically to light touch		
	3. A structure not present in the middle ear;		,
	a. Tympanic membrane	To be seen that the	
	b. Three ear ossicles; malleus, incus & stapes	Carrier and the Charles	
	c. Eustachian tube		
	d. Membranous labyrinth.		
	4. Bile salts;		
	a. Are conjugated sodium and potassium salts of bi	le acids	
	b. Are derivatives of biliverdin and bilirubin	$j_{m{x}}$, $j_{m{x}}$	
	c. Concentration in liver bile is 140 - 810 mg/dl	* .	
	d. Provide alkaline reaction to the bile		
	5. A proteolytic enzyme present in saliva is;		
	a. Ptyalin .		
	b. Lysozyme		

c. Kalli kreind. Lipase

Section - II

Q-1	Define hormone. Classify them. Describe in detail mechanism of hormonal action.	15
Q-1	OR	
Q-2	Enumerate the gonadotropin hormones secreted by pituitary gland and describe each in detail.	15
~~	Enumerate hormones secreted by adrenal cortex. Describe the action, and regulation of secretion of cortisol.	15
	OR	
Q-2	1. Define menstrual cycle. Describe ovarian changes occur during menstrual cycle	08
	1 December descentions : 1 . 1	07
Q-3	Write Short Note (Any three)	
	(a) essential amino acids (b) sperm	15
	(c) define and classify obesity (d) ADH	
	(e) enumerate water soluble vitamin and describe any one in detail.	
Q-4	M C Q	
Χ.	1. By product of anaerobic glycolysis is;	05
*	a. Pyruvic acid	
	b. CO ₂	
	c. Lactic acid	
	d. Water only	
	IN SECTION (INC.) 전 전 10 10 10 10 10 10 10 10 10 10 10 10 10	
	2. Amino acids are transported in the blood mainly in the form of a. Plasma proteins	
	b. In combination with a carbohydrate carrier	1.
	c. In combination with a phospholipid carrier	
	d. Amino acids themselves	
	3. Most damaging free radicle to body components	
	a. Hydrogen atom	
	b. Oxygen molecule	
	c. Hydroxyl	
	d. Nitric oxide	
	4. Thyroid hormones belong to which class of hormone?	
	a. Steroid	
	b. Protein	
	c. Polypeptides	
	d. Amino acids derivatives	
	5. Cryptorchidism refers to;	
	a. Male hypogonadism	
	b. Removal of testes before puberty	
	c. Removal of testes after puberty	
	d. Undescended testes	