Q.P. Code:136005	Reg. No
First Professional B.S.M.S D	egree Regular Examinations August 2023

Udal Thathuvam (Physiology) Paper II (SIDUG-UT)							
		(2021	Scheme)				
Time: 3 hrs • Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space • Answer all parts of a single question together • Leave sufficient space between answers • Draw table/diagrams/flow charts wherever necessary							
Th	ultiple Choice Ques e Answers to MCQ q o writing sheets (ie F	uestions (Q.No.i to 0	Q.No.xx) shall be written con	(20x1=20) itinuously on the first			
i.	Post office of the ce	ell					
	a) Lysosomes		b) Golgi apparatus				
	c) Endoplasmic reti	culum	d) Mitochondria				
ii.	ii. Which of the following are not mediated through negative feedback mechanism.						
	a) Blood pressure						
	c) Thrombus forma	tion	d) ACTH releasing				
iii.	ESR is also called.						
	a) Biernacki reactio	n	b) Finkelstein reaction				
	c) Frankland reaction	Frankland reaction d) Balz Schiemann reaction.		on.			
i۷.	Polycythemia vera	occurs in	disorder				
	a) Neurological	b) Autoimmune	c) Congenital	d) Myeloproliferative			
٧.	Resting membrane	potential of a skele	tal muscle fiber is				
	a) -70 mV	,	c) -50 mV	d) -80 mV			
vi.	Kinesthetic recepto						
	a) Chemoreceptors		b) Baroreceptors				
	c) proprioceptors		d) Telereceptors				
VII.	Volume of succus e		\ 4000 1/	1) 4000 1/1			
	a) 1200 ml/day	,	c) 1600 ml/day	d) 1800 ml/day			
viii.		is also known as Gluten Sensitive Enteropathy					
	a) Zollinger – Elliso	n syndrome	b) Crohn's diseased) Ulcerative colitis				
iv	c) Celiac disease	lad to take harmons	,	unaloctomy What			
IA.	A female patient failed to take hormonal therapy post bilateral adrenalectomy. What would you expect in her						
	a) Cushing disease		b) Addison's disease				
	c) Conn's disease		d) Adreno genital syndrome				
X	Blood calcium level	is decreased by	a) Marcho german synaron				
Λ.	a) PTH	b) Calcitriol	c) Growth hormone	d) Calcitonin			
xi.	ó:	•	•	a, calonolini			
- ***	a) LH	b) FSH	c) Estrogen	d) Progesterone (PTO)			

xii.	The volume of semen per ejaculation is					
	a) 2 – 6 ml	b) 2 – 7 ml	c) 2 – 4 ml	d) 2 – 5 ml		
xiii.	Glomerular capilla	ry pressure				
	a) 60 mmHg	b) 45 mmHg	c) 25 mmHg	d) 15 mmHg		
xiv.	Which one of the following is incorrect, Stimuli for renin secretion is due to,					
	a) Low blood pressure		b) Low ECF volume			
	c) Parasympathetic	c stimulation	d) Low plasma sodium			
XV.	Partial pressure of	CO ₂ in alveoli is				
	a) 46 mm Hg	b) 40 mm Hg	c) 48 mm Hg	d) 52 mm Hg		
xvi.	Surfactant is secre	eted by				
	a) Histiocytes		b) Granular pneumocyte	es		
	c) kupffer cells		d) Type I alveolar cells			
xvii.	ii. Duration of fourth heart sound					
	a) $0.02 - 0.04 \text{ sec}$		b) 0.02 – 0.03 sec			
	c) $0.02 - 0.05$ sec		d) 0.02 – 0.06 sec			
xviii.	Water hammer pul					
	a) Cardiac tamponade		b) Patent ductus arteriosus			
	c) Aortic regurgitat		d) Arterio venous fistula	l		
xix.	•	onsible for Blood Bra	nin Barrier			
	a) Oligodendrocyte	es	b) Microglia			
	c) Astrocytes		d) Schwann cells			
XX.	Loss of taste sens					
	a) Hypogeusia		c) Ageusia	d) Taste bud less		
Short	Answer Question	s		(8x5=40)		
2. De	escribe about the pri	imary active transpo	rt of sodium and potassiur	m		
3. Sa	rcomere.					
1. Sp	ermatogenesis.					
- \^/ ₁	rita datail about Pal	o of kidnov in gold b	aca balanca			

- 5. Write detail about Role of kidney in acid base balance.
- 6. Explain Lung volumes and Lung capacity.
- 7. Write in detail about physiology of pain.
- 8. Functions of Hypothalamus.
- 9. Explain mechanism of hearing.

Long Answer Questions

(4x10=40)

- 10. Define Erythropoiesis, explain the stages of Erythropoiesis and factors affecting it.
- 11. What are the different types of salivary glands, Describe the composition, functions and regulation of salivary secretions.
- 12. Write in detail about the adrenal medullary hormone, functions & applied physiology.
- 13. Describe the various events of cardiac cycle.
