Q.P.	Code:136005		Reg. No					
First Professional B.S.M.S Degree Regular/Supplementary Examinations June 2024								
Udal Thathuvam (Physiology) Paper II (SIDUG-UT)								
(2021 Scheme)								
Time:	3 hrs	ocnei		Max. Marks: 100				
•	Answer all questions to the point neatly and answers • Indicate the question number Answer all parts of a single question togeth Draw table/diagrams/flow charts wherever	correctly for er • Leave	or the answer in the marg	in space				
 Multiple Choice Questions (20x1=20) The Answers to MCQ questions (Q.No.i to Q.No.xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only 								
i.	'Homeostasis'- refers to							
	a) Maintenance of constant body internb) Cessation of blood flow	ial enviror	nment					
	c) Blood coagulation							
	d) Intra and extracellular fluid							
ii.	Cell membranes are composed of							
	a) Protein and lipid b) Carbohyo	drate	c) Lipid	d) Protein				
iii.	'Hyperplasia is							
	a) Increase in size of a cell							
	b) The increase in number of cells	- f II						
	c) Abnormal change in size and shape	of cell						
	d) Type of cell replacement							
iv.	'Erythropoietin is		a\	al\				
V	a) An enzyme b) A plasma 'Pernicious anaemia is caused by	•	c) A hormone	d) A drug				
٧.	a) Lack of Vitamin B ₁₂		deficiency					
	,	,	of folic acid					
vi.	Normal GFR in healthy adult is approxi							
	a) 7.5 L / min b) 125 ml / min	c) 180 L) ml / min				
vii.	'Xerostomia is	,	,					
	a) Deficient of gastric secretion	,	ient of pancreatic secr					
	c) Deficient of salivation	,	ient of Vitamin A stora	ge				
viii.	The primary hormone secreted by thyro							
	a) Thyroxine (T ₄)		dothyronine (T ₃)					
ix.	c) Reverse triiodothyronine (RT ₃) The biological half life of insulin is	d) Calci	toriiri					
IX.	a) 20 minutes b) 10 minutes	c) 5 min	nutes d) 30 min	utes				
Χ.	What type of sensory impulses is carrie	,	,	4.00				
	a) Proprioception	•	le sensation					
	c) Crude touch		and temperature					
xi.	Intention tremor - is the clinical sympton							
	a) Parkinson's disease	,	bellar disorder					
	c) Hyperthyroidism	d) Hemi	iplegia					

(PTO)

xii.	. Ageusia is					
	a) Decrease in taste sensation	b) Loss of taste				
	c) Increase in taste	d) Loss of smell				
xiii	Normal duration of cardiac cycle is					
	a) 0.9 second b) 0.8 second	c) 0.72 second	d) 0.60 second			
xiv	,					
	 a) Closure of semi lunar valves 	b) Closure of A-V	valves			
	c) Closure of aortic valve	d) Closure of puln	nonary valve			
ΧV	. In normal ECG, T – wave is caused b	ру				
	 a) Atrial depolarization 	b) Ventricular repolarization				
	c) Ventricular depolarization	d) Atrial repolariza	ation			
xvi	. Which one of the feature is not the ch	,				
	a) Associated with active dreaming					
	b) The brain is highly active					
	c) More difficult to arouse by sensory	stimuli				
	d) Sometimes even nightmares do occur					
xvii.	Most common types of cerebral stroke caused by blockage in					
AVII.						
	a) Posterior cerebral arteryc) Anterior cerebral artery	b) Middle cerebrad) Basillar artery	artory			
xviii.	,	,	of blood overgonation	n.		
XVIII	a) Doppler flow meter	b) Pulse oximeter		711		
	c) Spirometer	d) Galvanometer				
xix	, .	,	xnired per breath is	<u>.</u>		
XIX.	a) 5000 mL b) 500 mL	c) 600 mL	d) 450 mL	,		
VV	,	C) 000 IIIL	u) 430 IIIL			
XX	31 1					
	a) Difficult or laboured breathing	h				
	b) An increase in the rate or depth of	breatning				
	c) Rapid, shallow breathing					
	d) Intermittent breathing					
Sh	ort Answer Questions			(8x5=40)		
2.	Immunity					
	Active transport					
	Concentration of urine					
	Functions of bile juice					
	·					
	Non-respiratory functions of respiratory tract ECG					
_	Defecation reflex					
9.	Auditory pathway					
Lo	ng Answer Questions			(4x10=40)		
10.	Erythropoiesis and factors affecting eryth	ropoiesis				
11. Hormonal regulation of menstrual cycle and changes occur in ovaries and uterus						
12.Exchange and Transport of Respiratory Gases						
13. Corticospinal tract (CST), and describe the physiological basis of features of lesion of CST						
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