Q.P. Code: 126007 Reg. No.:.... First Professional BUMS Degree Regular Examinations July 2023 Munafeul Aza - Paper I (2022 Scheme) Time: 3 hrs Max Marks: 100 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 1. 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 The process which maintain the internal environment at normal range is i. called..... a) Diffusion b) Osmosis c) Homeostasis d) Reaction Which region of a skeletal muscle sarcomere changes its width during muscle ii. contraction: a) Z line b) A band c) M line d) I band One of the following is not a type of acid base buffer system: iii. a) Sulphate buffer system b) Bicarbonate buffer system c) Protein buffer system d) Phosphate buffer system Rate of diffusion is inversely proportional to ..... İ۷. a) Temperature b) Concentration gradient c) Solubility substances d) Size of the molecule Excessive loss of hydrogen ion from the body causes...... ٧. a) Metabolic alkalosis b) Metabolic acidosis c) Respiratory alkalosis d) Respiratory acidosis Which organelle of the cell is concerned with oxidation νi. a) Lysosomes b) Ribosomes c) Mitochondria d) Golgi apparatus Transitional epithelium is characteristics feature of lining of ...... vii. a) Gall Bladder b) Urinary bladder c) Uterus d) Esophagus

VIII.	juricuc	mich prevent the mov	ement of lons and		
	molecules from one cell to another cell.				
	a) Occluding	b) Communicating	c) Anchoring	d) Adherence	
ix.	Matrix of the connective tissue is characterised by presence of				
	a) Hyaluronic ad	cid	b) Phospholipids		
	c) Chondroitin s	ulfate	d) Collagen fibers		
Χ.	Vitreous humour of eye is the example of				
	a) Jelly like connective tissue		b) Myeloid tissue		
	c) Fibrous tissue	е	d) Elastic tissue		
xiis the principal protein responsible for c				smotic pressure.	
	a) Globulin	b) Prothrombin	c) Fibrinogen	d) Albumin	
xii.	In embryonic life up to three months of intrauterine life of fetus, the RBC are formed by				
	a) Liver		b) Spleen		
	c) Mesoderm of yolk sac		d) Bone marrow		
	,		,	(PTO)	
				, ,	

xiii.	The best index of platelet function is						
	a) Bleeding Time		<ul><li>b) Clotting Time</li></ul>	b) Clotting Time			
	c) Clot retraction Time		d) Prothrombin	d) Prothrombin Time			
xiv.	When the amount of hemoglobin present in one red blood cell is decreases, it						
	is called						
	a) Hypochromic		b) Microcytic				
	c) Normochromic		d) Macrocytic				
XV.	The process whereby WBC can squeeze through pores in capillary wall is						
	a) Diapedesis	b) Diffusion	c) Osmosis	d) Chemotaxis			
xvi.	One of the primary gland responsible for lymphocyte origination in the infant is						
	the						
	a) Adrenal	, •	c) Pituitary	, -			
xvii.	Which of the following local factors is released from the platelets to check						
	bleeding:	h VIII ata maina	a) Camatamin	al\ IZalilanain			
xviii.	•	*	c) Serotonin	d) Kalikrein			
AVIII.	Rapid infusion of citrated blood would a) Tetanus		b) Flaccid Paral	veie			
	c) Profuse bleeding		d) Tetany	,			
xix.	What is the important symptoms of Hemophilia						
7	a) Tetanus		b) Tetany				
	c) Flaccid paralysis		d) Profuse bleed	ding			
XX.	is responsible for adherence of platelets s						
	a) Von willebrand factor		b) Fibrin stabilizing factor				
	c) Platelet activa	iting factor	d) All				
Short	Answer Questio	ns		(8x5=40)			
Explain action potential in brief.							
3. Diff	erentiate betweer	n plasma and serun	n.				
4. Des	scribe the synthes	sis of hemoglobin.					
	olain the Composi						
6. Wri	6. Write note on properties of cardiac muscle.						
7. Explain pathological variations of blood pressure.							
8. Write short note on Vitamin A.							
9. Wri	te down the disor	ders related to Vita	min K.				
Long A	Answer Questio	าร		(4x10=40)			
10. Describe the structure and functions of epithelial tissue.							
11. Explain stages of Erythropoiesis.							
-	· ·	n details about the (	Cardiac cycle.				
		bout the metabolisn	•				

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