Q

25676

SEAT NO. ___

10

FIRST PROFESSIONAL B.H.M.S. EXAMINATION HUMAN PHYSIOLOGY AND BIOCHEMISTRY PAPER - I SUBJECT CODE: HOW UC PR

TIM	E: 3 HOURS	TOTAL MARKS: 100
	1. ATTEMPT ALL THE QUE 2. DRAW DIAGRAMS WHE 3. FIGURES IN RIGHT INDI	REVER NECESSARY.
– 1	Multiple Choice Questions.	
	1) Protein factories of cell	
	A. Ribosomes	B. Peroxisome
	C. Lysosome	D. Cell membranes
	2) Selectin is a	
	A. Cell comunicating molecule	B. Cell anchoring molecule
	C. Cell adhesion molecule	D. Cell apoptosis molecule
	Carrier protein that transport two d called	ifferent substances in the same direction is
	A. Diffusion	B. Osmosis
	C. Dialysis	D. Sympoter
	4) Excessive secretion or production of any substance in the body are controlled in and maintain homeostasis by	
	A. Positive feedback mechanism	B. Negative feedback mechanism
	C. Osmosis	D. Haemodynamics
	5) Total blood volume is	
	A. 8% of body weight	B. 18% of body weight
	C. 1.8% of body weight	D. 45% of body weight
	6) Pulse pressure means	
	A. Pressure produce by blood column on	B. Difference between systolic blood
	vessel wall	pressure & diastolic blood pressure
	C. Sum of the Systolic blood pressure and	D. Average blood pressure during cardiac
	diastolic blood pressure	cycle
7) The volume of air remaining in the lungs after a quiet expiration is the		gs after a quiet expiration is the
	A. Tidal volume	B. Expiratory reserve volume
	C. Functional residual capacity	D. Vital capacity
	8) The normal glomerular filtration rate is	••••
	A. 25 ml/min	B. 125 ml/min
	C. 25 liter/day	D. 125 liter/ day
	9) Langerhans cell present in which layer of epidermis	
	A. Stratum Corneum	B. Stratum Lucidum
	C. Stratum Granulosum	D. Stratum Spinosum
	10) Saltatory conduction is	*

Conduction

D. None of the above.

junction

across

neuromuscular

A. Conduction of action potentials from node B.

to node

C. Both A & B

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Q-2 Short Answer Questions

- 1) Mitochondria
- 2) Difference between simple and facilited diffusion
- 3) Factors preventing blood coagulation inside blood vessels.
- 4) Short term regulation of blood pressure.
- 5) Dead space
- 6) Micturation reflexs
- 7) Glands of skin
- 8) Sarcomere

Q-3 Long Answer Questions

- 1) Define blood coagulation. Describe the Intrinsic pathway in detail.
- 2) Define erythropoisis. Describe the stages of erythropoisis with well labelled diagram.
- 3) Which are the properties of cardiac muscle. Describe the conducting system of the heart.
- 4) Describe the lung volume and lung capacity with well labelled diagram.
- 5) Define GFR. Describe the factors affecting on the GFR.