## 25676

SEAT NO. \_\_\_\_

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

TIME	:: 3 HOURS	<del>-</del>	
7 21/22	INSTRUCTIONS: 1. ATTEMPT ALL THE QUES	TOTAL MARKS: 100	
	2. DRAW DIAGRAMS WHER	REVER NECESSARY.	
	3. FIGURES IN RIGHT INDICATES FULL MARKS		
Q – I	Multiple Choice Questions.		
	1) ""		
	1) Ribosomes are responsible for synthesis of		
	A. Lipids	B. Steroids	
	C. Protein	D. Glucose	
	2) Apoptosis means		
	A. Programmed cell growth	B. Programmed cell death	
	C. Programmed cell division	D. Intercellular cell junction	
	3) Osmosis is a		
	A. Net movement of solvent from lower	B. Net movement of solvent from higher	
	concentrations to higher concentrations of	concentrations to lower concentrations of	
	solutes	solutes.	
	C. Net movement of solutes from lower	D. Net movement of solutes from higher	
	concentrations to higher concentrations of	concentrations to lower concentrations of	
	solvent.	solvent.	
	4) Which of the following is an energy re	quiring process to move substance through cell	
	membranes	8	
	A. Simple diffusion	B. Facilitated diffusion	
	C. Osmosis	D. Active transport.	
	5) Normal P <sup>H</sup> of blood is		
	A. 4.7	B. 6.8	
	C. 8.6	D. 7.4	
	6) This part of the heart is known as Pacemaker		
	A. Sino atrial Node	B. Atrio ventricular Node	
	C. Bundle branch	D. Purkinje fibers	
	7) The air that can be breathed out by maximum expiratory efforts after an ordinary		
	expiration is the		
	A. Tidal volume	B. Inspiratory reserve volume	
	C. Expiratory reserve volume	D. Residual volume	
	8) Facultative reabsorption of water from renal tubules required		
	A. Oxytocin	B. Aldosterone	
	C. Cortisol	D. ADH	
	9) This epidermis layer also known as Stra	atum Basale	
	A. Stratum Corneum	B. Stratum Lucidum	
	C. Stratum Granulosum	D. Stratum Germinatum	
	10) Function of tropomyosin in skeletal mu		
		B. Releasing calcium after contraction	
	relaxation	2	
	C. Binding to myosin during contraction	D. Covering of action binding site of myosin	
		at rest.	

## Q-2 Short Answer Questions

- 1) Nucleus
- 2) Colloidal osmotic pressure
- 3) Rh Incompability
- 4) Long term regulation of blood pressure
- 5) Respiratory centers
- 6) Factors affecting on GFR.
- 7) Functions of skin
- 8) Neuromuscular transmission

## Q-3 Long Answer Questions

- 1) Difine blood coagulation. Describe extrinsic pathway in detail.
- 2) Define erythropoisis. Discuss factors affecting on erythropoisis.
- 3) Discuss the various events of cardiac cycle.
- 4) Discuss the mechanism of oxygen transport across lungs.
- 5) Define nephron. Types of nephron. Describe roles PCT in tubular reabsorption.

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