10

VIIIHVADEEP

VIDHYADEEP UNIVERSITY



Sent No.:	

PROGRAMME OF THE B.H.M.S - EXAMINATION MARCH-2025

The First Year (CBDC) Academic Year 2023-25

Subject Code: HomUG-PB-1

Subject Name: Human Physiology & Biochemistry

Duration: 3:00 Hrs.

Total Marks: 100

 - 4	_		

4 4	Acres		- 11		4.2	25-22-45
 - 63-1	TINE	TIME	53 14	CT 114	8 G T 1	ons.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	MCQ/Fill in the blanks (Attempt All C	Questions)				
1)		folded in the form of shelf like inward projections. b) Golgi apparatus				
	a) Lysosomes c)Endoplasmic reticulum	d)Mitochondriā				
		The Particular Control of the Contro				
2)		pe of channels which open in the presence of hormo				
	substances.	b) Ligand gated channels				
	a) Voltage gated channels b) Mechanically gated channels	d) a) & b)				
3)		m higher concentration to lower concentration.				
	a) Diffusion	b) Hydrotrophy				
	c) Surface tension	d) Dialysis				
4)	is the manifestation of attracting forces in between atoms or molecules.					
	a) Adsorption	b) Surface tension				
	c) Donnan equilibrium	d) Colloid				
5)	Which Anaemia is Known as Addision'					
	a) Pernicious anaemia	b) Aplastic Anaemia				
	e) Thalasemia	d) Iron deficiency anaemia				
6)	The second heart sound is produced at the	he end of				
11)	a)Rapid filling period	b)Atrial systole				
	c)At the end of protodiastolic period	d)During isometric contraction period				
		and a sometic contraction period				
7)	Maximum amount of Co2 is carried as:					
	a) In simple solution	b) As carbamino compund				
0.4	c) Bicarbonate	d)Carbonic acid				
8)	Heat loss center is situated in	nucleus of hypothalamus?				
	a) Paraventricular c) Posterior hypothalamic	b) Preoptic				
	C I I OSICHOF HVDOHISIAIIIIC	d) Supraontic				

VIDHYADEEP UNIVERSITY

9)	Glucose reabsorption takes place in the : a) Bowman's Capsule c) Distal tubule	b) First half of the proximal tubule d) Loop of Henle	
10)	is the property of skeletal mus	ele at which the muscle does not show any re	sponse
****	to a stimulus.		
	a) Refractory period	b) Summation d) Excitability	
	c) All or none law	d) Excitations	
Q.2	Short Questions. (Attempt All Questions)		40
1)	Difference between DNA & RNA		
2)	Osmosis		
3)	Sarcomere		
4):	ESR		
5)	Body temperature regulation		
6)	Heart sound		
7)	Пурохіа		
8)	JGA		
Q.3	Long Questions. (Attempt All Questions)		50
1)	Describe plasma protein in detail- definition	, types, synthesis, properties & functions.	
2)	Write what is Landsteiner's law & discuss a reactions.	bout ABO blood group and its incompatibility	y
3)	Define cardiac output. Explain in detail abo	ut factors affecting on it.	
4)	Describe the role of renal tubules in formation	on of urine.	×
5)	Describe nervous regulations of respiration i	n detail +	
		713	

All The Best====