25677

SEAT NO.

TOTAL MARKS: 100

FIRST PROFESSIONAL B.H.M.S. EXAMINATION HUMAN PHYSIOLOGY AND BIOCHEMISTRY PAPER - II SUBJECT CODE: HOM UG-PB

TIME: 3 E	IUUKS
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INSTRUCTIONS: 1. ATTEMPT ALL THE QUESTIONS.

2. DRAW DIAGRAMS WHEREVER NECESSARY.

3. FIGURES IN RIGHT INDICATES FULL MARKS

Q-1 Multiple Choice Questions.

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1)	1) Which hormone plays a role in circardian rhythm?						
a)	Melatonin		Insulin				
c)	Cortisol		ADH				
2)	Which system controls involuntary function						
a)	Somatic nervous system		Autonomic nervous system				
c)	Central nervous system		Peripheral nervous system				
3)) partial mar to dis system						
a)	Gastrin		Secretin				
c)	Cholecystokinin		Somatostatin				
4)	Menstruation occurs due to a drop in:						
a)		b)	Progesterone and estrogen				
c)	Oxytocin and prolactin	d)	Testosterone and hCG				
5)	Which cells in the testes produce testostero	ne?					
a)	Sertoli cells		Leydig cells				
c)	Spermatogonia	d)	Epididymal cells				
6)	The semicircular canals are responsible for	:					
a)	Hearing	b)	Taste perception				
c)	Smell perception	d)	Balance and equilibrium				
7)							
a)	Mechanoreceptors		Chemoreceptors				
c)	Photoreceptors	d)	Thermoreceptors				
8)	Which of the following is the building block of proteins?						
a)	Monosaccharides	b)	Nucleotides				
c)	Amino acids		Fatty acids				
9)							
a)	Energy storage	b)	Structural component of membranes				
	Hormone synthesis	d)	Enzymatic function				
	The final product of anaerobic glycolysis is	:					
-	Pyruvate	b)	Acetyl-CoA				
c)	Lactic acid	d)	Oxaloacetate				

Q-2	Short Answer Questions	

- 1) Discuss the functions of hormones secreted by posterior pituitary
- 2) Parathormone
- 3) CSF
- 4) Functions of limbic system
- 5) Composition and fucntions of bile
- 6) Define menopause. Explain changes during menopause
- 7) Colour blindness
- 8) Vitamin A deficiency

Q-3 Long Answer Questions

- 1) Describe functions and regulation of growth hormone. Describe briefly growth hormone insufficiency
- 2) Describe the functions of hypothalamus in detail
- 3) Describe composition and functions of gastric juice
- 4) Discuss the role testosterone
- 5) Describe the mechanism of hearing

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