Full Marks: 75



BRAINWARE UNIVERSITY

Term End Semester Examinations, July- 2023

Programme - Bachelor of Science in Nursing

Course Name - Applied Anatomy and Applied Physiology

Course Code - ANAT 105 & PHYS 110

(Semester - I)

Time allotted: 3 hrs.

	their	figure in the margin indicates full a own words as far as practicable. We wer booklet.]	marks. Candidat rite answer of S	es are required to gi Section - A and Sec	ve their answers in tion -B in separate		
	Section – A						
		Marks - 37					
1.	Selec	Group – A (Mu	uestion)	$6 \times 1 = 6$			
i) _	Cells	Cells responsible for the production of antibodies in the immune system:					
ii)	a c Whic	T cells B cells h of the following is the largest gland	b d d in human body	Red blood cells Platelets			
iii)	a c Type	Thymus Liver of tissue is responsible for transmitti	b d ng electrical imp	Kidneys Pancreas pulses in the body:			
iv)	a c	Nervous tissue Muscle tissue I responsible for sweat production in	b d	Epithelial tissue Connective tissue			
v)	a c	Sebaceous gland Eccrine gland ame of the membrane that surrounds	b d	Mammary gland Apocrine gland			
vi)	a c Organ	Visceral peritoneum Parietal peritoneum responsible for the production of b	b d	Visceral pleura Dura matter			
	a c	Stomach Pancreas	b d	Small intestine Liver			

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	IEE/ANAT 103 & THE						
		Group - B (I	Essay/ Long ans	wer t	type question)	1 x 10 =	
(Ans							
2.	a. Define neuro b. Describe abo	vous system	2+8=10				
OR	Describe the heart		2+5+3=10				
	a. Outer structure						
	b. Inner structure						
	c. Blood supply						
	Group - C (Short answer type question)						
3.	Write short note	es (Answer Any Thi	ree Questions)				
	a. Spinal Cord						
						[5]	
	Uterus					[5]	
	Nephron					[5]	
. d.	Synovial joint					[5]	
e.	Adrenal gland					$3 \times 2 = 6$	
	Group - D (Very short answer type question)						
4.	4. Write in short (Answer Any Three Questions)						
	a. Define inspiration and expiration.						
	b Enlist the En	ndocrine glands				[2]	
	c. Enlist the m	najor arteries and ve	ins in human boo	dy.		[2]	
	d. Define Bowman's Capsule						
	d. Define John		Section -	B			
					(my)	Marks - 38	
			(Applied Phys			7 x 1 = 7	
		Group – A ct answer of the foll	(Multiple Choi	ce Q	uestion)		
	Select the corre	ent that contains blo	od plasma:				
i)		llular fluid		b	Interstitial fluid		
	e Extrace	ellular fluid		d	Cerebrospinal fluid		
ii)		as exchange that occ	curs in the lungs:	b	Oxidation		
	a Diffusion			d	Respiration		
iii)	c Ventua Fat soluble vitan						
111)	a Vitami			b	Vitamin C		
	c Vitami			d	Vitamin B1	•	

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1				
/	The life span of RBC is			
1	a 100 days	c	110 days	
	c 120 days	d	200 days	
v)	Pancreas produces hormone to regula			
	a Cortisol	b	Insulin Parathyroid hormone	
	c Melatonin Part of the tongue is responsible for d	570	A 200	
vi)	a Back of the tongue	b	Sides of the tongue	
	c Tip of the tongue	d	Center of the tongue	
vii)	the approximate average daily urine of	output for a healthy	adult:	
	a 100-200mL	b	800-1000mL	
	c 300-500mL	d	2000-2500mL	
	Group - B (Ess	ay/ Long answer ty	pe question)	1 x 10 = 10
1	Answer Any One Question)			
6.	a. Discuss the role of hormones in	Menstrual Cycle.		5+5 =10
	b. Elaborate the different stages o	f menstrual cycle.		
OR	a. Describe the composition of	CSF		5+5=10
	b. Explain about circulation of C			
	Group -	C (Short answer ty	pe question)	$3 \times 5 = 15$
	7. Write short notes (Answer Any T	hree Questions)		
	a. Describe the process of digestion			[5]
	b. Describe the functions of skin			[5]
	c. Describe about Spermatogenesis.			[5]
	d. Pulmonary Circulation			[5]
	e. Transportation across the cell	4		[5]
		D (Very short answ	er type question)	$3 \times 2 = 6$
	8. Write in short (Answer Any Three	Questions)		[2]
	a. Enlist the functions of breast			[2]
	b. Define homeostasis			[2]
٠	c. Enlist the bones of axial skeleton			[2]
	d. Characteristics of cardiac tissue			[2]
23	e. Lens of the eye			[2]