

## **BRAINWARE UNIVERSITY**

## Term End Examination 2018 - 19

Llbrary
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

Full Marks: 75

Programme-Bachelor of Pharmacy

## Course Name - Human Anatomy and Physiology II

#### Course Code -BP201T

(Semester - 2)

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Time allotted: 3 Hours

(v)

a. Motor nerves

c. Mixed nerve

		Group -	- <b>A</b>		
		(Multiple Choice T	Question) $20 \times 1 = 20$		
1.	Choose the correct alternative from the following				
(i)	Which of the following is the Glomerular Filtration Rate of a nephron?				
	a. 12	25ml/day	b.	180ml/day	
	c. 12	25L/day	d.	125ml/min	
(ii)	Axoplasn	n is the			
		ood plasma that nourishes a erve	b.	fluid external to the axon but inside the myelin sheath	
	c. cy	toplasm of the dendrite	d.	cytoplasm of the axon	
(iii)	The "sod	um-potassium pump" pumps			
		dium ions out and potassium	b.	sodium ions in and potassium ions out	
	c. so	dium and potassium ions in	d.	sodium and potassium ions out	
(iv)	Addison'	s disease is related to:			
	a. T	nyroid gland	b.	Parathyroid gland	
	c. A	drenal gland	d.	Thymus gland	

Which of the following carries both the sensory and motor information?

Sensory nerves

d. Heart

(vi)	An action potential:		TEE / B1 2011 / 2010 - 19				
	<ul> <li>involves the efflux of negative ions to depolarize the membrane.</li> </ul>	b.	involves the influx of negative ions to depolarize the membrane .				
	c. is initiated by potassium ion movements.	d.	is essential for nerve impulse propagation.				
(vii)	The renal pyramids are separated from each which are called	ch oth	ner by extensions of the renal cortex				
	a. Renal medulla	b.	Medullary cortices				
	c. minor calyces	d.	Renal columns				
(viii)	Which endocrine gland is present in front of larynx?						
	a. Parathyroid gland		Thyroid				
	c. Thymus	d.	None of the above				
(ix)	The number of nephron in each kidney is about:						
	a. 100	b.	1000				
	c. 1 million	d.	10000				
(x)	Tonsils are present in:						
	a. Pharynx	b.	Larynx				
	c. Pancreas	d.	Liver				
(xi)	The right and left lungs are divided into:						
	a. 3 lobes and 2 lobes	b.	2 lobes and 3 lobes respectively				
	respectively c. 3 lobes each	d.	None of the above				
(xii)	The intestinal juice contains enzyme:						
	a. Trypsin	b.	Chymotrypsin				
	c. Enterokinase	d.	None of the above				
(xiii)	Myxodema is due to deficiency of:						
5	a. Thyroxine	b.	Glucagon				
	c. Insulin	d.	Parathormore				
(xiv)	The peripheral nervous system includes mixed nerves that						
2000	a. serve the muscular and skeletal system	b.					
	c. contain both sensory and motor fibers	d.	do not always know how to respond				
(xv)	The output of water in the urine is mainly controlled by						
	a. Insulin	b.	Glucagon				
	c. Adrenalin	d.	ADH				

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(xvi)	The hormone secreted by the pinea	1000		6.			
	a. Trypsin		Chymotrypsin				
	c. Melatonin	d.	None of the above				
(xvii)	Which of the following is the master gland of the endocrine system?						
	a. Adrenal	b.	Pancreas				
	c. Pituitary	d.	Thyroid				
xviii)	Breaking the large food particles in called	to smaller or	nes with much larger to	tal surface area is			
	a. Absorption	b.	Elimination				
	c. Mastication	d.	Digestion				
(xix)	Fertilization of an ovum by a spern	natozoon occ	curs in which of the foll	owing structures?			
	a. Fallopian tube	b.	Fallopian tube				
	c. Vagina	d.	Vagina				
(xx)	A refers to the pathway for	ollowed by n	erve impulses producin	g a reflex.			
	a. Fallopian tube	b.	Choroid plexus				
	c. Reflex arc	d.	BBB				
	C	oun D					
		oup – B					
	(Short Answ	er Type Que	estions)	7  x5 = 35			
Ansv	wer any seven from the following		(*)				
2.	Write a short note on medulla oblong	ata.		5			
3.	Write short notes on composition and function of saliva.			5			
4.	Give the composition of urine.			5			
5.	How respiration is regulated?	5	5				
6.	Discuss the role of kidney in maintenance of blood pressure.			5			
7.	Write a note on hormone released from pineal gland			5			
8.	Write a note on reflex arcs.			5			
9.	Define tidal volume and residual volume of lung.			5			
10.	Write note on meninges of brain.		Librar	5			
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# Group - C

	(Long Answer Type Questions)	$2x\ 10 = 20$
Ans	wer any two from the following	
11.	Write a note on hormone released from pituitary gland.	10
12.	Describe the structure of nephron with the help of diagram.	10
13.	Give the general outline of male reproductive organ.	10