



BRAINWARE UNIVERSITY

Term End Examination 2023 Programme - B.Sc.(MLT)-2020/B.Sc.(MLT)-2021 Course Name - Human Anatomy and Physiology Course Code - BMLT201 (Semester II)

Full Marks: 60 Time: 2:30 Hours

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

Group-A

(Multiple Choice Type Question)

1 x 15=15

- 1. Choose the correct alternative from the following:
- (i) Show the portion of the nephron that extends into the medulla:
 - a) Pappillary Duct

b) Proximal convoluted tubule

c) Nephron Loop

- d) Distal Convoluted Tubule
- (ii) Choose the correct option that controls body temperature, sleep, and appetite:
 - a) Thymus

b) Thalamus

c) Hypothalamus

- d) Thyroid Gland
- (iii) Fibrous connective tissue that surrounds each kidney is inferred as the:
 - a) Cortex

b) Medulla

c) Hilum

- d) Renal Capsule
- (iv) State the following structures that is part of the small intestine:
 - a) Caecum

b) Ileum

c) Transverse Colon

d) Ascending Colon

- (v) State the Normal pH of blood:
 - a) 7.4

b) 8

c) 7

- d) 6.4
- (vi) Saliva contains an enzyme that acts upon which of the following nutrients
 - a) Vitamins

b) Minerals

c) Protein

- d) Starch
- (vii) Select from the following which is not a Function of Insulin:
 - a) Decreasing glycogenolysis

b) Gluconeogenesis

c) Glycogenesis

d) Lipogenesis

in according		
(viii) Absorption of food is observed to occur in:	b) Small Intestine	
a) Stomach	d) Large Intestine	
c) Pancreas		
(ix) In our body involuntary actions are observed to	11.44 - dullo in Hindhesia	
a) Medulla in Forebrain	b) Medulla in Hindbrain	
c) Medulla in Midbrain	d) Medulla in Spinal Cord	
(x) Respiration is defined by the following processe		
a) Inspiration, exchange of gases, Expiration	b) Aspiration, Inspiration, Expiration	
c) External, Internal and Expiration	d) None of these	
(xi) Pneumatic and inhibitory centers are associated	l with:	
a) Respiration	b) Breathing	
c) Inspiration	d) Expiration	
(xii) Expiration is defined as:		
a) Relaxation of diaphragm and intercostals	b) Contraction of diaphragm and intercos	
muscles	muscles	tals
c) Contraction of diaphragm muscles	d) Contraction of inter costal muscles	
(xiii) Tidal volume in human beings is estimated to be	e;	
a) 1000ml	b) 500ml	
c) 200ml	d) 1500ml	
(xiv) The opening at the lower end of the uterus is in	ferred as the	
a) Cervix		
с) Соссух	b) Fallopian tube	
(xv) Select the number of bones an adult human ske	d) Vagina	
a) 201		
c) 206	b) 204	
	d) 208	
Grou		
(Short Answer T	Type Questions)	x 5=15
		x 2=12
 List some hormones produced by female reproduct Illustrate the function of cerebellum in Nervous systems 	tive System along with their function	(2)
3. Illustrate the function of cerebellum in Nervous system 4. Discuss the functions of the state of the stat		(3)
4. Discuss the functions of Hypothalamus 5. Construct a table explaining the first state of the		(3)
5. Construct a table explaining the hormones secreted respective functions.	from hypothalamus along with their	(3)
6. Evaluate the functions of bile	along with their	(3)
		(3)
Analyze the different functions of Mouth.	R	(3)
of Mouth,		(3)
		157
Grou (Long Answer	ıp-C	
(Long Answer Ty	ype Questions) 5	x 6=30
7. Write in detail about the structures of cells & tissu8. Describe the problems that may arise for the problems.	•	,, ,
same structures of cells & tissu	les and draw clean labelled diamona of the	(5)
8. Describe the problems that may arise from the	and abelied diagram of the	(5)
8. Describe the problems that may arise from blood to Distinguish between the role of insulin and glucage 10. Discuss about male reproductive system 11. Describe muscles of head and neck	transfusion,	(5)
10. Discuss about male reproduction and glucage	on in the regulation of glucose have actuals	(5)
11. Describe muscles of head and neck	S and of glucose nomeostasis.	(5)
12. Evaluate the statement: Tubular reabsorption		(5)
12. Evaluate the statement: Tubular reabsorption is inv Evaluate the factors that affects global Or	volved in the formation of uring	(5)
Evaluate the factors that affects glomerular filtration	R united the transfer of the t	1-7
nitratic	on rate,	(5)