



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(MLT)-2022/B.Sc.(MLT)-2023

Course Name – Human Anatomy

Course Code - BMLTC101

(Semester I)

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) Choose the correct option from,the following the purpose of having valves in the cardiovascular system is to
 - a) provide sounds so that heart health can be monitored
- b) ensure that blood flows in one direction.
- c) prevent blood from flowing too quickly.
- d) regulate blood pressure
- (ii) Interpret total number of alveoli present in the human lungs is estimated to be around
 - a) 1 billion

b) 800 million

c) 500million

- d) 1500 million
- (iii) During open-heart surgery, which major vessel in the mediastinum is often temporarily clamped to stop blood flow?
 - a) Aorta

b) Pulmonary artery

c) Superior vena cava

- d) Inferior vena cava
- (iv) When performing an intramuscular injection, which muscle is commonly used in the upper arm?
 - a) Quadriceps

b) Deltoid

c) Gluteus maximus

- d) Gastrocnemius
- (v) Which part of the lung is responsible for the exchange of oxygen and carbon dioxide with the bloodstream?
 - a) Bronchi

b) Alveoli

c) Trachea

- d) Bronchioles
- (vi) What is the main muscle responsible for breathing and separating the thoracic and abdominal cavities?
 - a) Pectoralis major

b) Diaphragm

c) Rectus abdominis

- d) Trapezius
- (vii) Label the part that controls the heart?
 - a) Spinal cord

b) Medulla Oblongata

		d) Cerebrum	
	c) Neuron		
(viii)	Which is the hardest bone in the body	b) Jaw bone	
	a) femur	d) skull bone	
111	c) wrist Tell the bones of the shoulder		
(IX)		b) humerus,scapula both	
	a) humerus c) scapula and clavicle both	d) ccapula	
(x)	Interpret that the system of the body which coo	ordinates and controls its activity is	
	known as	b) Muscular system	
	a) Organ system	d) Nervous system	
	c) Nervous tissue	•	
(xi)	Select the hormone which is secreted by the kie	b) TSH	
	a) Oestrogen	d) Vasopressin	
(vii)	c) Erythropoietin Reflex actions which involve brain are called:	a , 1225	
(۸11)		b) Cerebral reflexes	
	a) Stimulus c) Spinal reflexes	d) Reflex arc	
(xiii	The gap between two adjacent mylein sheeth		
17111	a) Nodes of ranvier	b) axon terminal	
	a) Synantic knoh	d) Schwan Cell	
(xiv	Name the cells responsible for breaking down a remodeling:	and resorbing bone tissue during bone	
	a) Osteoblast	b) Osteoclast	
	c) Osteoid	d) Osteocyte	
(xv)	Choose the cell of pancreas which secretes insu	ılin	
	a) α Cell	b) β Cell	
	c) γ Cell	d) None of these	
	Grou	ın D	
Group-B (Short Answer Type Questions)			3 x 5=15
	(SHOTE AHSWELL)	ype Questions,	
2. Illustrate the forms of a bone depending on bone density			(3)
3. State the following defects related to bone: Fracture, Osteoporosis, Acromegaly, Ricket			(3)
4. Describe the Recesses of Pleura.			(3)
5. Establish the role of cerebellum.			(3)
	nalyze the importance lumber puncture at between texts.	een the third and fourth Lumber	(3)
V	ertebrae. Ol	8	
A	nalyze the significance of portal vein		(3)
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	Grou		
	(Long Answer Ty	rpe Questions)	5 x 6=30
7.	Contrast between osteogenesis & ossification		(5)
8.	Apply anatomical knowledge of the appendix for diagnosis of acute appendicitis.		(5) (5)
9.	9. Examine the formation and circulation of CSF.		(5)
10. Identify the bones of appendicular skeleton			(5)
	Write about osteoarthritis		(5)
12. Analyze the anatomy of the pleura and its recesses for drainage of pleural fluid OR			(5)
	Analyze the importance of different quadrants of abdominal diseases.	the abdomen for the diagnosis of	(5)
	abuoninia uiscases.		• •