



## **BRAINWARE UNIVERSITY**

## Term End Examination 2023-2024 Programme – B.Sc.(MRIT)-2022/B.Sc.(MRIT)-2023 Course Name – Human Anatomy & Physiology Part I Course Code - BMRITC101 ( Semester I )

Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their

Group-A

own words as far as practicable.]

(Multiple Choice Type Question)

1 x 15=15

- 1. Choose the correct alternative from the following:
- (i) Identify the condition- collection of air in pleural cavity
  - a) haemothorax

b) pneumothorax

c) Empyema

- d) pleural effusion
- (ii) Identify which part of the lung shows impression of mediastinal structure
  - a) Apex

b) base

c) costal surface

- d) medial surface
- (iii) The greater omentum connects the stomach to which structures
  - a) Transverse colon

b) spleen

c) liver

- d) oesophagus
- (iv) Identify the name of the structure which is associated with collection of lymphoid tissue in the submucosa of small intestine
  - a) waldeyers ring

- b) inguinal lymph node
- c) mesenteric group of lymph node
- d) payers patches
- (v) Recall the part of the urethra into which opens the ejaculatory duct
  - a) Prostatic urethra

b) spongy urethra

c) membranous urethra

- d) bulbous urethra
- (vi) Identify which structure is associated with hiatus muscularis
  - a) Stomach

b) Doudenum

c) Appendix

- d) Urethra
- (vii) Cholecystovenacal line is describe as a line connecting groove for IVC and fossa for
  - a) ligamentum teres

b) ligamentum veniosum

c) gall bladder

- d) caudate lobe
- (viii) Identify the name of the artery which supplies the part distal to left one third of transverse colon
  - a) Coeliac arteryt

b) superior mesentric artery

c) external iliac artery

d) inferior mesentric artyery

(ix	) State which of the following is a Sesamoid bone		
		b) 2nd Metacarpal	
, ,	c) Scaphoid d) Triquetral		
(x)	Tell the name of nerve that supplies the Intrafusal fiber of skeletal muscle		
		b) type 2 sensory neuron	
		d) All of these	
(xi	i) State the name of the bone where the radial groove is present		
	a) radius	b) ulna	
	c) humerus	d) none of these	
(xii	) select the correct example of sinarthosis		
	and the state of t	b) pubic symphysis	
		d) elbow joint	
(xii	i) Identify the reason for the dicrotic notch on the a		
•			
		b) closure of the aortic valve	
/vis		d) closure of the pulmonary valve	
()	v) Choose from the following options where gaseou		
		b) Larynx	
		d) Trachea	
(xv	) Write the name of the linings that separate air in	the alveoli from venous blood	
	a) Squamous epithelium & tunica media	b) Squamous epithelium & endothelium	
	c) Transitional epithelium & tunica externa	d) None of these	
	Group		
	(Short Answer Typ	e Questions)	x 5=15
			(3)
	2. Discuss iron deficiency anemia with special reference to nutritional deficiency.		
	3. Give examples (any three) of blood coagulation disorders		
4. Explain how pacemaker potential helps in the contraction of cardiac muscles			(3) (3)
	5. Describe the function of the nucleus		
			(3)
OR Charles and Cha			
(	Classify the parts of liver and the functions of liver.		(3)
	Group	6	
	(Long Answer Typ		w C-20
	(Long Answer Typ	e Questions)	x 6=30
_	B	ande e	,_\
	Describe the problems that may arise from blood transfusion. (5)		
8.	. Define the different planes that we study in anatomy. Also describe the significance of the (5)		
_	plane?		
9.	<ol> <li>Write in details features of skeletal and cardiac muscles with connective tissue surrounding (5) muscles along with proper diagram? Also describe how the cells of skeletal muscles are</li> </ol>		
		how the cells of skeletal muscles are	
40	arranged?		4>
	10. Draw and explain histology of liver?		(5)
	11. With suitable diagram express different static lung volume and capacities		(5)
12.	12. Explain the different types of cellular transport mechanism (5)		
or and book and the order of the order			
	Illustrate the process of phagocytosis With suitable	e diagram describe	(5)

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