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**BRAINWARE UNIVERSITY**

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Term End Examination 2025-2026**Programme – B.Physiotherapy-2022/B.Physiotherapy-2023/B.Physiotherapy-2024/B.Physiotherapy-2025****Course Name – Human Anatomy- I****Course Code - BPTC101****(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) Identify the outer layer of muscle tissue

- | | |
|----------------|---------------|
| a) Epineurium | b) Epimysium |
| c) Endoneurium | d) Endomysium |

(ii) Distinguish the region from where sympathetic nervous system arises

- | | |
|---------------------|-------------------------|
| a) Cervical region | b) Sacral region |
| c) Coccygeal region | d) Thoracolumbar region |

(iii) Select the name of the founder of modern anatomy

- | | |
|-------------|----------------------|
| a) Vesalius | b) Herophilus |
| c) Galen | d) Leonardo da Vinci |

(iv) Identify the group of cells, which is similar in structure and function are structured into

- | | |
|-----------------|-----------|
| a) Muscles | b) Bone |
| c) Organ system | d) Tissue |

(v) Recognize the following tissues helps in the movement of body structure

- | | |
|--------------------|----------------------|
| a) Muscular tissue | b) Epithelial tissue |
| c) Nervous tissue | d) Connective tissue |

(vi) Trace the neurons which arise from the embryonic cells is called

- | | |
|---------------|-----------------|
| a) Neuroblast | b) Cytoblast |
| c) Dendrocyte | d) Erythroblast |

(vii) Select the the principal region of the neuron for receiving information is the

- | | |
|-------------|-------------|
| a) Dendrite | b) Axon |
| c) Myelin | d) Ganglion |

(viii) Trace about synaptic vesicles are most commonly located

- | | |
|----------------------------|--------------------------------|
| a) Within the axon hillock | b) Within presynaptic terminal |
| c) Within synaptic cleft | d) Myelin sheath |

- (ix) Select the function of a tendon
- | | |
|---------------------------------|--|
| a) To link bones to bones | b) To link muscles to bones |
| c) To link muscles to ligaments | d) To bind the cells in compact bone closer together |
- (x) Identify the part where the arterial blood come from those supplies to visceral pleura
- | | |
|-----------------------|------------------------------------|
| a) Bronchial veins | b) Intercostal nerves |
| c) Bronchial arteries | d) The costodiaphragmatic recesses |
- (xi) Differentiate the dry form of inflammation without a significant collection of fluid in the pleural cavity called
- | | |
|-----------------------|-----------------|
| a) Intercostal nerves | b) Pleura |
| c) Pleurisy | d) Pneumothorax |
- (xii) Interpret about the larynx is found at what vertebral level
- | | |
|------------|------------|
| a) CV3-CV6 | b) CV6-CV3 |
| c) CV2-CV5 | d) CV5-CV2 |
- (xiii) Identify the part where the respiratory system is made up of trachea, the lungs and the _____
- | | |
|--------------|-------------|
| a) diaphragm | b) pancreas |
| c) esophagus | d) liver |
- (xiv) Select the function of trachea
- | | |
|---------------------------|---------------------------------|
| a) Filters air we breathe | b) Releases air out of the body |
| c) Carries air to lungs | d) Exchange of gas |
- (xv) Trace about the respiratory center controlled by pons is
- | | |
|----------------|----------------|
| a) Gasping | b) Pneumotaxic |
| c) Inspiratory | d) Expiratory |

Group-B

(Short Answer Type Questions)

3 x 5=15

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|--|-----|
| 2. Write short note on thyroid gland. | (3) |
| 3. Write about liver and its parts. | (3) |
| 4. Describe about upper back muscle attachments | (3) |
| 5. Write down the classification of epithelial tissue. | (3) |
| 6. Write about the function of diaphragm. | (3) |

OR

Write about the muscles of the shoulder complex.	(3)
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Group-C

(Long Answer Type Questions)

5 x 6=30

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|---|-----|
| 7. Describe the cartilaginous joint with example. | (5) |
| 8. Write about origin , insertion , nerve supply and action of brachioradialis. | (5) |
| 9. Illustrate the structure of long bone | (5) |
| 10. Explain the parts of pancreas with diagram | (5) |
| 11. Classify the nerve injury according to seddon's classification. | (5) |
| 12. Classify the synovial joint with example. | (5) |

OR

Describe the functions of bone cell.	(5)
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