



## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Physiotherapy-2022/B.Physiotherapy-2023/B.Physiotherapy-2024

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) Human anatomy is defined as the study of
  - a) Structure of human body
  - b) Bacteria and viruses
  - c) Microbes and diseases
  - d) None of these
- (ii) Select the organ of respiratory system
  - a) Heart
  - b) Lungs
  - c) Liver
  - d) Stomach
- (iii) Specify the prime muscle for shoulder abduction
  - a) Supraspinatus
  - b) Deltoid
  - c) Subclavius
  - d) Teres Minor
- (iv) Summarize the hinge joint amongst the following
  - a) Wrist Joint
  - b) Shoulder Joint
  - c) Elbow Joint
  - d) None of these
- (v) Select the name of the flat bone among the following
  - a) Clavicle
  - b) Metacarpal
  - c) Scapula
  - d) Humerus
- (vi) Select Preaxial border of upper limb
  - a) Its inner border
  - b) Its outer border
  - c) Its anterior median line
  - d) Its posterior median line
- (vii) Identify the following does not come under the category of loose connective tissue
  - a) Areolar tissue
  - b) Reticular connective tissue
  - c) Elastic connective tissue
  - d) Adipose tissue
- (viii) Select the following is not the function of areolar connective tissues
  - a) Strength
  - b) Support
  - c) Forms stroma of organs
  - d) Elasticity
- (ix) Identify the muscle has the longest muscle fibers

- a) Deltoid  
c) Gluteus maximus
- b) Soleus  
d) Sartorius
- (x) Select about the irritability and conductivity are maximum developed in  
a) Muscular tissue  
b) Nervous tissue  
c) Connective tissue  
d) Blood
- (xi) Trace the neurons which arise from the embryonic cells is called  
a) Neuroblast  
b) Cytoblast  
c) Dendrocyte  
d) Erythroblast
- (xii) Identify about following is the largest segment of the movable part of the vertebral column  
a) Coccygeal  
b) Cervical  
c) Lumbar vertebrae  
d) Thoracic
- (xiii) Distinguish of the following cell types is responsible for synthesizing the organic component of cartilage matrix  
a) osteocytes  
b) chondrocytes  
c) osteoblasts  
d) osteoclasts
- (xiv) Differentiate the suture joints in the skull are  
a) synovial joint  
b) cartilaginous joint  
c) fibrous joint  
d) ball and socket joint
- (xv) Select the length of human trachea is about  
a) 6 inches  
b) 12 cm  
c) 12 inches  
d) 18 cm

#### Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain "Wallerian degeneration". (3)  
3. Illustrate the skin and its layers. (3)  
4. Describe the bi-axial joint function with example. (3)  
5. Describe the function of ball and socket joint with example. (3)  
6. Write about the function of diaphragm. (3)

OR

Write about the muscles of the shoulder complex. (3)

#### Group-C

(Long Answer Type Questions)

5 x 6=30

7. Classify the synovial joint with example. (5)  
8. Write about origin, insertion, nerve supply and action of biceps brachii. (5)  
9. Explain the anatomy of pelvic floor. (5)  
10. Define classes of lever according to human body. (5)  
11. Describe about neuro-muscular junction. Provide proper diagram. (5)  
12. Classify the fibrous joint with example. (5)

OR

Classify the nerve injury according to Seddon's classification. (5)

\*\*\*\*\*