



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

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

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 name the sectional plane that divides the body into anterior and posterior portions
 - a) sagittal plane
 - b) coronal plane
 - c) transverse plane
 - d) oblique plane
- (ii) Enumerate the number of bones in an adult human body
 - a) 205
 - b) 206
 - c) 209
 - d) 207
- (iii) Select the part of neuron
 - a) axon
 - b) peritoneum
 - c) tuberosity
 - d) epithelium
- (iv) Identify the outer layer of muscle tissue
 - a) epineurium
 - b) epimysium
 - c) endoneurium
 - d) endomysium
- (v) Identify the tissue which is not connective in nature
 - a) blood
 - b) muscle
 - c) cartilage
 - d) spinal cord
- (vi) Indicate the joint which is not fibrous in nature
 - a) suture
 - b) syndesmosis
 - c) elbow
 - d) gomphosis
- (vii) Sphenoid bone is described as
 - a) pneumatic bone
 - b) sesamoid bone
 - c) irregular bone
 - d) flat bone
- (viii) Indicate the secondary cartilaginous joint which doesn't belong to the axial skeleton
 - a) manubriosternal joint
 - b) intervertebral disc
 - c) symphysis pubis
 - d) symphysis menti
- (ix) Site the primary ossification center of long bone

- a) epiphysis
c) diaphysis
- b) metaphysis
d) articular surface
- (x) Identify the option which refers to the inner coat of artery
- a) tunica media
c) tunica externa
- b) tunica intima
d) adventitia
- (xi) Select the accessory gland of the digestive system
- a) Spleen
c) Lungs
- b) Stomach
d) Pancreas
- (xii) Identify the organ where lymph vessels are absent
- a) Brain
c) Lungs
- b) Liver
d) None of these
- (xiii) Select the endocrine gland which secretes ADH
- a) Anterior Pituitary
c) Liver
- b) Thyroid Gland
d) Posterior Pituitary
- (xiv) Identify the part Found on bone joint surfaces
- a) fibrocartilage
c) elastic cartilage
- b) hyaline cartilage
d) periosteum
- (xv) Distinguish of the following cell types is responsible for synthesizing the organic component of cartilage matrix?
- a) osteocytes
c) osteoblasts
- b) chondrocytes
d) osteoclasts

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Classify the types of bone with example. (3)
3. Tell about axis and planes according to elbow osteokinematics movement. (3)
4. Describe the poly-axial joint function with example. (3)
5. Explain the functions of cartilage. (3)
6. Establish the role of arteries in blood circulation. (3)

OR

Write about origin , insertion , nerve supply and action of brachialis. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the cardiopulmonary circulation with diagram. (5)
8. Classify the synovial joint with example. (5)
9. Classify the fibrous joint with example. (5)
10. Describe the functions of bone cell. (5)
11. Explain the anatomy of long bones with diagram. (5)
12. Discuss about origin , insertion ,nerve supply and action of superficial flexor group of forearm muscle. (5)

OR

Describe the process of bone healing. (5)
