



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Physiotherapy-2022/B.Physiotherapy-2023/B.Physiotherapy-2024/B.Physiotherapy-2025

Course Name – Human Anatomy - II

Course Code - BPTC201

(Semester II)

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 structure which is related to auditory pathway
 - a) Lateral geniculate body
 - b) Trapezoid body
 - c) Medial lemniscus
 - d) Spinal lemniscus
- (ii) Identify the structural component of choroid plexus.
 - a) Tela choroidea with secretory ependyma
 - b) Obex
 - c) Lateral recess
 - d) Secretory ependyma
- (iii) Identify the branch of ophthalmic artery.
 - a) Supraorbital
 - b) Maxillary
 - c) Internal carotid
 - d) External carotid
- (iv) Name the Low back extensors muscle
 - a) Ileum
 - b) Erector spinae
 - c) Jejunum
 - d) Colon
- (v) The layer of meninges that forms the blood-brain barrier is _____; Select the correct option.
 - a) Dura mater
 - b) Arachnoid mater
 - c) Pia mater
 - d) Endothelium of capillaries
- (vi) Epidural hematoma is classically due to rupture of _____; Select the correct option.
 - a) Superior sagittal sinus
 - b) Middle meningeal artery
 - c) Bridging veins
 - d) Cortical veins
- (vii) Falx cerebri separates _____; Select the correct option.
 - a) Cerebellar hemispheres
 - b) Temporal lobes
 - c) Cerebral hemispheres
 - d) Occipital lobes
- (viii) Wernicke's area lesion results in _____; Select the correct option.

- a) Expressive aphasia
 c) Dysarthria
 (ix) The calcarine sulcus is related to _____; Select the correct option.
 a) Motor cortex
 c) Visual cortex
 (x) The postcentral gyrus contains _____; Select the correct option.
 a) Primary motor cortex
 c) Premotor cortex
 (xi) Which sulcus separates temporal lobe from frontal and parietal lobes? Select the correct option.
 a) Central sulcus
 c) Lateral sulcus
 (xii) Which part of corpus callosum connects frontal lobes _____; Select the correct option.
 a) Rostrum
 c) Body
 (xiii) Posterior limb of internal capsule contains _____; Select the correct option.
 a) Frontopontine fibers
 c) Optic radiation
 (xiv) Extreme capsule is located between _____; Select the correct option.
 a) Insula and claustrum
 c) Putamen and globus pallidus
 (xv) Tapetum is part of _____; Select the correct option.
 a) Corpus callosum
 c) Internal capsule
- b) Receptive aphasia
 d) Anomia only
 b) Auditory cortex
 d) Olfactory cortex
 b) Primary sensory cortex
 d) Visual cortex
 b) Calcarine sulcus
 d) Parieto-occipital sulcus
 b) Genu
 d) Splenium
 b) Corticospinal fibers
 d) Auditory radiation
 b) Claustrum and putamen
 d) Caudate and thalamus
 b) Fornix
 d) Anterior commissure

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the boundaries of fourth ventricle. (3)
3. Write a short note on Adductor hiatus. (3)
4. Describe the ligaments of knee joint with diagram. (3)
5. Define Meninges. Enumerate the layers of meninges with a schematic diagram. (3)
6. Write a Short note on Diaphragma sellae (3)

OR

Write a short note on Meckel's cave. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the features of the Supero-lateral surface of Frontal lobe. (5)
8. Explain the largest ventricles of brain. (5)
9. Illustrate the origin, insertion, nerve supply & action of Quadriceps group of muscles. (5)
10. Prepare a note on pelvic floor muscle. (5)
11. Describe the hip joint. (5)
12. A 45 years old traffic police visited with the swelling of left foot with intense pain in knee joint, associated with tingling & numbness in the sole. Laboratory investigation suggested alteration in LFT, D- dimer & Lipid profile. Illustrate the anatomy of the structure, the pathology of which is responsible for the condition. (5)

OR

A 21 years old fast bowler visited with cramp in thigh with restricted movement, during the match. Illustrate the muscle group possibly becomes injured. (5)