



## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

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

Course Name – General Human Anatomy

Course Code - BOPTOC101

( 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) State another alternative name for the word "dorsal":
  - a) Anterior
  - b) Ventral
  - c) Caudal
  - d) Posterior
- (ii) Identify an option which can be used as an alternative for the word "superior":
  - a) Internal
  - b) Caudal
  - c) External
  - d) Cranial
- (iii) Among the following identify the structure which is commonly known as "wind pipe" is-
  - a) Larynx
  - b) Lungs
  - c) Trachea
  - d) Oesophagus
- (iv) Select from the following is the smallest bone in human body.
  - a) Rib cage
  - b) Scapula
  - c) Stapes
  - d) Coxal bone
- (v) In the blood vessels, valves can be observed in:
  - a) Aorta
  - b) Vein
  - c) Capillary
  - d) All of these
- (vi) Select the blood vessel with thickest wall:
  - a) Aorta
  - b) Artery
  - c) Vein
  - d) Vena cava
- (vii) Identify the structures which is responsible for changing the shape of the lens to focus light on the retina?
  - a) Pupil
  - b) Cornea
  - c) Iris
  - d) Ciliary muscles
- (viii) Define the condition which is associated with excess production of aqueous humour:
  - a) Cataract
  - b) Glaucoma

- c) Macular degeneration d) Pres-byopia
- (ix) State the layer of the skin where cells responsible for skin pigment are found
- a) stratum corneum b) Stratum lucidum
- c) Stratum Germinativum d) Stratum Granulosum
- (x) Select the name of the movement, in which a person rotates his arm such that the palm is facing down
- a) Plantar flexion b) Dorsi flexion
- c) Pronation d) Supination
- (xi) Rotation results in movement of a body part towards midline of the body. Identify what this movement is called
- a) lateral rotation b) medial rotation.
- c) supination d) pronation
- (xii) Select the name of the muscle which is found in which is found on front of chest:
- a) Pectoralis major b) Trapezius
- c) Serratus anterior d) Psoas major
- (xiii) Spino umbilical line is formed by joining umbilicus with which other structure
- a) anterior superior iliac spine b) posterior superior iliac spine
- c) iliac crest d) iliac tubercle
- (xiv) Identify the condition which results from inflammation of the meninges
- a) Meningitis b) Disc prolapse
- c) Cauda euina syndrome d) Epidural hematoma
- (xv) Select the correct option that right internal iliac artery is found in which body cavity.
- a) Thoracic b) Abdominal
- c) Pelvic d) Cranial

#### Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe Trans-tubercular plane. Trans-spinal plane- methods of drawing and clinical significance. (3)
3. Describe the Dural venous sinus. (3)
4. Write about types and general features of capillary with proper diagram. (3)
5. Write a short note on ascending tract of spinal cord. (3)
6. Compare between the arteries and the veins. (3)

OR

Evaluate the functions of the capillaries. (3)

#### Group-C

(Long Answer Type Questions)

5 x 6=30

7. Make a chart of 12 Cranial Nerves and each nerve's function. (5)
8. Explain the histological findings of bone in details with diagram. (5)
9. Write origin, insertion, action of -sternocleidomastoid, trapezius muscle. (5)
10. Describe the structure of a typical vertebrae? (5)
11. Analyze the functions of the lymphatic systems. (5)
12. Classify the components of the lymphatic system. (5)

OR

Draw a simple diagram of hepatic portal system and explain it. (5)

\*\*\*\*\*