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BRAINWARE UNIVERSITY

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398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Term End Examination 2025-2026
Programme – B.Optometry-2022/B.Optometry-2023/B.Optometry-2024/B.Optometry-2025
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) Identify the false statement regarding the anatomical position.
a) The palms face the front. b) The thumbs point away from the body.
c) The head is turned to the left side. d) The posture is standing erect.

(ii) Indicate the following layer is also known as stratum germinativum?
a) Stratum corneum b) Stratum basale
c) Stratum granulosum d) Stratum lucidum

(iii) Control of temperature, endocrine activity, metabolism, and thirst are functions associated with the- collect from the following.
a) Medulla oblongata b) Cerebellum
c) Hypothalamus d) Cerebrum

(iv) Choose from the following is the main thinking part of the human brain?
a) Hind brain b) Cerebrum
c) Mid brain d) None of these

(v) Select the incorrect statement regarding the skeletal muscle.
a) They are also called voluntary muscles. b) They help in the movement of food through the oesophagus.
c) They have striations. d) They are involved in changing of body posture.

(vi) Select the inaccurate option regarding myofibrils?
a) The A band is also known as the light band b) Myosin head binds with active site of actin
c) Light bands contain actin d) Anisotropic bands contain myosin

(vii) Identify the connective tissue around individual muscle. Choose the correct option.
a) perimysium b) endomysium
c) epimysium d) note

(viii) Identify the structure which is concerned with cerebrospinal fluid formation.

a) Choroid plexus
b) Arachnoid granulation
c) Cauda equina
d) Conus medullaris

(ix) Choose the name of muscle where intramuscular injections are given.

a) deltoid
b) latissimus dorsi
c) serratus anterior
d) subclavius

(x) Select the name of the muscle which brings about shrugging of shoulder.

a) trapezius
b) latissimus dorsi
c) pectoralis major
d) pectoralis minor

(xi) 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

(xii) Select, which layer of skin is made of keratinized stratified squamous epithelial cells.

a) stratum corneum
b) Stratum lucidum
c) Stratum Germinativum
d) Stratum Lucidum

(xiii) Select the structure which gives rise to coeliac artery.

a) thoracic aorta
b) abdominal aorta
c) arch of aorta
d) ascending aorta

(xiv) Hepatic portal vein connects the liver to which other structure. Select the other structure.

a) Large intestine
b) Spleen
c) Small intestine
d) Kidney

(xv) Select the name of the group of muscles which helps in extension of knee joint.

a) Quadriceps
b) Hamstring
c) Soleus
d) Brachioradialis

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Group-B

(Short Answer Type Questions) 3 x 5=15

2. Name the muscles of Anterior Abdominal Wall. (3)
3. Write a short note on CSF. (3)
4. Describe the blood supply of brain with proper diagram. (3)
5. Write about blood brain barrier. (3)
6. Write a short note on Middle Mediastinum. (3)

OR

How will you differentiate between Hilum of Lung & Root of Lung. (3)

Group-C

(Long Answer Type Questions) 5 x 6=30

7. Write the Origin, Course, Relation & Termination of Arch of Aorta (5)
8. Describe the coverings of brain and spinal cord with proper diagram? describe the folds of dura mater with proper diagram? (5)
9. Explain axial and appendicular skeleton. Define components of axial and appendicular skeleton with proper diagram. Also describe the joints visible in appendicular skeleton. (5)
10. Explain the difference between cardiac, smooth and skeletal muscle ? (5)
11. Write about origin, termination, course, branches of abdominal aorta (5)
12. Explain the Arterial Supply of Stomach with diagram. (5)

OR

Describe the Venous Drainage of Stomach. (5)

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