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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Sc.(PA)-2023/B.Sc.(PA)-2024/B.Sc.(PA)-2025

Course Name – Human Anatomy-Part I

Course Code - BPAC101

(Semester I)

Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

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) Tell the name of the plane which passes vertically along midline and divides body into right and left half:
- | | |
|---------------|-----------------|
| a) Sagittal | b) Frontal |
| c) Transverse | d) Transpyloric |
- (ii) Identify the correct option for cardiac muscle.
- | | |
|-----------------------------|---------------------------|
| a) striated | b) non striated |
| c) striated and involuntary | d) striated and voluntary |
- (iii) Name the bone which belongs to appendicular skeleton.
- | | |
|-------------|--------------|
| a) vomer | b) palatine |
| c) lacrimal | d) navicular |
- (iv) Select how many total segments are there in spinal cord.
- | | |
|-------|-------|
| a) 21 | b) 31 |
| c) 33 | d) 27 |
- (v) Choose the structure which separates thoracic cavity from abdominal cavity.
- | | |
|---------------|--------------------|
| a) diaphragm | b) iliac crest |
| c) false ribs | d) xiphoid process |
- (vi) Choose the correct option. skeletal muscle appear striated because of presence of:
- | | |
|---------------|---------------------------|
| a) sarcolemma | b) sarcoplasmic reticulum |
| c) myofibrils | d) gap junction |
- (vii) Choose the correct option for beginning of arch of aorta.
- | | |
|--|--------------------------------------|
| a) AT the level right of the second sternocostal joint | b) At the right end of sternal angle |
| c) Both | d) None of these |
- (viii) Choose the correct option for Convexity of the arch of aorta where it reaches the maximum height.

- a) Upto the middle of the manubrium sterni b) 1 cm below the jugular notch
c) Both d) None of these
- (ix) Select the correct option which is not an abnormal branch of arch of aorta.
a) Left vertebral artery b) Arteria thyroidea ima
c) Left common carotid artery d) Bronchial artery
- (x) Choose the correct option for the nerves not sensitive to pain.
a) Cardiac plexus b) Coronary plexus
c) Vagus Nerve d) Phrenic Nerve
- (xi) Select the correct option for the anteroposterior diameter of the heart.
a) 0.06m b) 6cm
c) 60mm d) All of the these
- (xii) Identify What will be the diameter of pulmonary orifice?
a) 3 b) 5
c) 7 d) 9
- (xiii) Name the largest vein of heart. Select the correct answer:
a) Great Cardiac Vein b) Coronary sinus
c) Posterior vein of left ventricle d) None of these
- (xiv) Select the correct option of the length of coronary sinus.
a) 2 cm b) 3 cm
c) both d) None of these
- (xv) Name the first branch of right coronary artery.
a) Artery to sinoauricular node b) Right anterior ventricular rami
c) Artery supplying the pulmonary conus d) None of these

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the foramen ovale in brief. (3)
3. Write a short note on Fasciculis gracilis with diagram. (3)
4. Describe the blood supply of brain with proper diagram? (3)
5. Write a short note on Internal capsule with diagram. (3)
6. write about the macroscopic and microscopic appearance of skeletal muscle along with connective tissue covering around muscle? (3)

OR

Write a short note on anterior spinothalamic tract. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define cartilage. Define the components of cartilage. describe the general features of cartilage? (5)
8. Describe the Folds of dura matter with diagram. (5)
9. Write origin, insertion, action of -sternocleidomastoid, trapezius muscle. (5)
10. Explain knee joint in detail with proper diagram. (5)
11. Describe Superior-vena Cava with a clear labelled diagram. (5)
12. Explain the structure of a typical cervical vertebrae with a clearly labelled diagram. (5)

OR

Explain the structure of a typical thoracic vertebrae with a clearly labelled diagram. (5)
