



**BRAINWARE UNIVERSITY**

**Term End Examination 2024-2025**

**Programme – B.Sc. Nursing-2024**

**Course Name – Applied Anatomy & Applied Physiology**

**Course Code - ANAT 105 & PHYS 110**

**( Semester I )**

**Full Marks : 75**

**Time : 3:0 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

**Section : A  
(Applied Anatomy)**

**Marks : 37**

**Group-A  
(Multiple Choice Type Question)**

**6 x 1=6**

**1. Choose the correct alternative from the following :**

(i) Identify the name of position in which lateral rotation of the radius, making the palm face anteriorly

- |             |              |
|-------------|--------------|
| a) Pronated | b) Supinated |
| c) Midprone | d) Sideline  |

(ii) Name the correct statement of two daughter cells formed by mitosis have:

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| a) Identical Genetic constitutions | b) Half as many genes of parent cell |
| c) Same cytoplasm                  | d) None of these                     |

(iii) Name the part of the ear that contains the ossicles (malleus, incus, stapes)

- |              |                   |
|--------------|-------------------|
| a) Outer ear | b) Auditory canal |
| c) Inner ear | d) Middle ear     |

(iv) Which blood vessel carries oxygenated blood to the kidneys?

- |                 |                   |
|-----------------|-------------------|
| a) Renal vein   | b) Hepatic artery |
| c) Renal artery | d) Aorta          |

(v) Identify the layer of the uterus shed during menstruation:

- |                |                |
|----------------|----------------|
| a) Myometrium  | b) Perimetrium |
| c) Endometrium | d) Epimetrium  |

(vi) Identify the part of the neuron that receives signals:

- |                 |                    |
|-----------------|--------------------|
| a) Axon         | b) Dendrite        |
| c) Axon hillock | d) Terminal bouton |

$$1 \times 10 = 10$$

- OR**

 $3 \times 5 = 15$ 

- OR**

 $3 \times 2 = 6$ 

- Marks : 38**

### Group-A

$$7 \times 1 = 7$$

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**Group-B**  
**(Long Answer Type Questions)**

1 x 10=10

10. List the hormones secreted by pituitary gland and determine their functions (10)  
OR  
Classify Nervous system in details. Explain the types of cranial nerves and its functions. 5+5=10 (10)

**Group-C**  
**(Short Answer Type Questions)**

3 x 5=15

11. Elaborate the functions of plasma membrane (5)  
12. Distinguish Endocrine and exocrine gland with suitable examples (5)  
13. Classify WBCs and discuss the functions. (5)  
OR  
Discuss the functions of bones in details. (5)

**Group-D**  
**(Very Short Answer Type Questions)**

3 x 2=6

14. Recall two functions of RBCs (2)  
15. Define Gigantism (2)  
16. Distinguish between spongy and hard bone (2)

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