



36830-45128



Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – D.Pharm-2024/D.Pharm-2025

Course Name – Human Anatomy & Physiology - Theory

Course Code - ER20-14T

(Year I)

Full Marks : 80

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.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

(i) Select the powerhouse of a cell.

- | | |
|-------------|-----------------|
| a) Lysosome | b) Mitochondria |
| c) Ribosome | d) Nucleus |

(ii) Select the appropriate option for the suicidal bag.

- | | |
|-------------|------------|
| a) Ribosome | b) Nucleus |
| c) Lysosome | d) SER |

(iii) Select the correct option: The function of the ribosome-

- | | |
|---------------------------|----------------------|
| a) Lipid synthesis | b) Protein synthesis |
| c) Carbohydrate synthesis | d) All of these |

(iv) Select the correct option from the following: Function of eye is _____.

- | | |
|-----------------|-----------|
| a) Listening | b) Vision |
| c) Body balance | d) Smell |

(v) Select the correct option from the following: Optic nerve present in _____.

- | | |
|---------|-----------|
| a) Ear | b) Eye |
| c) Nose | d) Tongue |

(vi) Identify the male sex hormone-

- | | |
|-----------------|-----------------|
| a) Relaxin | b) Oxytocin |
| c) Testosterone | d) All of these |

(vii) Choose the correct option from following: Function of platelet is _____.

- | | |
|---------------------|---------------------------|
| a) Transport oxygen | b) Secret immunoglobulins |
| c) Blood clotting | d) None of these |

(viii) Choose the correct option from following: Normal blood pressure in human body is _____.

- | | |
|----------------|----------------|
| a) 110/80 mmHg | b) 140/60 mmHg |
| c) 120/80 mmHg | d) 100/80 mmHg |

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Group-B

$$3 \times 10 = 30$$

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10. Explain the composition of blood. (3)

11. Explain the Fluid Mosaic Model. (3)

OR

Explain the pituitary gland in detail. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

12. Explain in detail about blood. (5)

13. Describe briefly the parts of human eye. (5)

14. Summarize in detail about the pituitary gland as the master gland. (5)

15. Explain the process of hemopoiesis. (5)

16. Write the different parts of urinary system. (5)

17. Explain the structure and function of the retina. (5)

OR

Explain briefly the sympathetic nervous system. (5)
