



16535

**BRAINWARE UNIVERSITY****Term End Examination 2024-2025****Programme – D.Pharm-2024****Course Name – Human Anatomy & Physiology - Theory****Course Code - ER20-14T****(Year I)**

Library
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

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 that the smooth endoplasmic reticulum has ____.
- | | |
|-----------------|------------------|
| a) Nucleus | b) Ribosome |
| c) Mitochondria | d) None of these |
- (iv) Select the correct option that the cell membrane has ____.
- | | |
|--------------------------------|-----------------|
| a) Protein-Lipid-Protein layer | b) Glycoprotein |
| c) Protein | d) All of these |
- (v) Identify the correct parts of uterus.
- | | |
|-----------|-----------------|
| a) Fundus | b) Cervix |
| c) Body | d) All of these |
- (vi) Select the hormone responsible for stretching the uterus during childbirth.
- | | |
|------------|-----------------|
| a) Insulin | b) Oxytocin |
| c) FSH | d) Both B and C |
- (vii) Identify the male sex hormone-
- | | |
|-----------------|-----------------|
| a) Relaxin | b) Oxytocin |
| c) Testosterone | d) All of these |

- | | |
|--|-----|
| 2. Discuss the structure and function of the human respiratory system. | (3) |
| 3. List out the functions of accessory glands of GIT system. | (3) |
| 4. Describe about the cerebrum. | (3) |
| 5. Explain the structure and functions of the human eye. | (3) |
| 6. Describe nephron. | (3) |
| 7. Draw a proper labelled diagram of human heart. | (3) |
| | |
| 8. Explain the structure of human skin with a proper labelled diagram. | (3) |
| | |
| 9. Explain the sympathetic and parasympathetic nervous systems. | (3) |
| 10. Explain the structure and function of the synovial joint. | (3) |
| 11. Explain about the functions of FSH, LH, progesterone. | (3) |

OR

Explain briefly the epithelial tissue.	(3)
--	-----

Group-C

(Long Answer Type Questions)

5 x 6=30

- | | |
|--|-----|
| 12. Describe briefly about the mechanism of digestion process in human body. | (5) |
| 13. Describe briefly about the process of urine formation. | (5) |
| 14. Discuss in detail about tissues. | (5) |
| | |
| 15. Write in detail about wound healing. | (5) |
| 16. Explain the structure and function of tongue. | (5) |
| 17. Explain the working principle of the pancreatic gland as a mixed gland. | (5) |

OR

Explain the thyroid gland.	(5)
----------------------------	-----