



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – D.Pharm-2022/D.Pharm-2023

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 correct shape of the cuboidal epithelial cell is.
- a) Column shaped
 - b) Flat in shaped
 - c) Cube shaped
 - d) Thick flat shaped
- (ii) Select which are the liquid connective tissues.
- a) Lymph
 - b) Blood
 - c) Epithelium cell
 - d) Both A and B
- (iii) Select the function of alveoli is.
- a) Exchange of gases
 - b) Purification of bone
 - c) Purification of lymph
 - d) Regulation of blood
- (iv) Select which part of the brain regulates the respiratory process.
- a) The vagus nerve
 - b) Cerebrum
 - c) Medulla oblongata
 - d) Pons
- (v) Identify the correct answer for the following: The full form of ANS is
- a) Autoimmune Nervous system
 - b) Autonomic Nervous System
 - c) Automated Nervous System
 - d) None of these
- (vi) Identify the correct answer for the following: Human lens is ____.
- a) Biconcave
 - b) Bifocal
 - c) Biconvex
 - d) Concave
- (vii) Identify the correct answer for the following: The bitter taste is send at the ____ part of tongue.
- a) Tip
 - b) Side
 - c) Upper
 - d) Middle
- (viii) Identify the correct answer for the following: What is the windpipe is also known as?
- a) Lungs
 - b) Bronchus

- c) Trachea
d) Larynx
- (ix) Choose the correct cells that produces the pigment responsible for skin color.
a) Adepocytes
b) Keratinocytes
c) Epithelium cell
d) Melanin
- (x) Choose the correct answer: the function of a tendon is
a) To link bones to bones
b) To link muscles to bones
c) To link ligaments to bones
d) To link muscles to ligaments
- (xi) Identify the correct answer for the following: The pulmonary artery carries ____.
a) Oxygenated blood
b) Carboxygenated blood
c) Only nutrients
d) Both A and C
- (xii) Identify the correct answer for the following: The innermost layer of uterus is ____.
a) Myometrium
b) Endometrium
c) Pericardium
d) Perimetrium
- (xiii) Identify the correct answer for the following: Which is not present in human body?
a) Lysosome
b) Nucleus
c) Plastid
d) Cell membrane
- (xiv) Select the correct option for the following: The neuroplasm is
a) Cytoplasm present in muscle
b) Cytoplasm present in neuron
c) Cytoplasm present in RER
d) Cytoplasm present in SER
- (xv) Choose the correct option for the following: Function of skin is/are ____.
a) Protection
b) Excretion
c) Sensation
d) All of these
- (xvi) Choose the correct option for the following: Function of skeleton is/are
a) provide shape and support
b) Protection
c) Movement
d) All of these
- (xvii) Choose the correct option for the following: Frontal bone present in ____
a) Skull
b) Legs
c) Spinal cord
d) None of these
- (xviii) Choose the correct option for the following: Mandible bone is part of ____.
a) Cranium
b) Facial
c) Sphenoid
d) Occipital
- (xix) Select the correct area from where spermatozoa is formed.
a) Ovary
b) Vas deferens
c) Ejaculatory duct
d) Testes
- (xx) Select which of the following is not part of the upper respiratory tract?
a) Larynx
b) Trachea
c) Nasal cavity
d) Pharynx

Group-B

(Short Answer Type Questions)

3 x 10=30

2. Describe about the cerebrum. (3)
3. Write down the differences between CNS and ANS. (3)
4. Describe nephron. (3)
5. Describe about the pulmonary circulation. (3)
6. Explain the composition and functions of lymph. (3)
7. Explain the disorders of joints. (3)
8. Explain the sympathetic and parasympathetic nervous systems. (3)
9. Explain Characteristics and functions of platelets (3)
10. Describe the structure and function of Histology (3)

11. Illustrate ECG in short. (3)

OR

Explain about the functions of FSH, LH, progesterone. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

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

13. Describe the parts of human ear with proper diagram. (5)

14. Explain the structure of female reproductive system. (5)

15. Explain and classify the epithelial cell (5)

16. Explain the characteristics of RBC and WBC with functions. (5)

17. Explain the thyroid gland. (5)

OR

Explain the parathyroid gland. (5)

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Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125