



BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – D.Pharm-2022

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 option from the following: Smooth Endoplasmic Reticulum has no
 - a) Nucleus
 - b) Ribosome
 - c) Mitochondria
 - d) All of these
 - (ii) Select the correct option from the following: Cell membrane has
 - a) Protein-Lipid-Protein layer
 - b) Glycoprotein
 - c) Protein
 - d) All of these
 - (iii) Select the correct option from the following: Function of eye is
 - a) Listening
 - b) Vision
 - c) Body balance
 - d) Smell
 - (iv) Select the correct option from the following: Optic nerve present in
 - a) Ear
 - b) Eye
 - c) Nose
 - d) Tongue
 - (v) Select the correct answer from the following: The layer of uterus is
 - a) Pericardium
 - b) Diaphragm
 - c) Endometrium
 - d) All of these
 - (vi) Select the correct answer for the following: Semen secrets from
 - a) Prostate gland
 - b) Testes
 - c) Vagina
 - d) Vas deferens
 - (vii) Identify the correct option from following: Ovulation is occurred on the day of
 - a) 12th
 - b) 14th
 - c) 5th
 - d) 8th

- (viii) Identify the function of LH during ovulation :
- a) Stimulates primary oocyte and secret progesterone
 b) Stimulates secondary oocyte and secret oestrogen
 c) Stimulates corpus luteum and secret progesterone and oestrogen
 d) Stimulates secondary oocyte and secret progesterone
- (ix) Choose the correct option from following: Function of blood is/ are
- a) Transport oxygen
 b) Transport nutrients
 c) Transport CO₂
 d) All of these
- (x) Choose the correct option from following: Function of platelet is
- a) Transport oxygen
 b) Secret immunoglobulins
 c) Blood clotting
 d) None of these
- (xi) Choose the correct option from following: Function of haemoglobin is/are
- a) Transport CO₂
 b) Transport nutrients
 c) Transport O₂
 d) Both A and C
- (xii) Choose the correct option from following: The pulmonary veins are connected with
- a) Left atrium
 b) Right atrium
 c) Right ventricle
 d) Left ventricle
- (xiii) Choose the correct option from following: Number of pulmonary veins are present
- a) 2
 b) 4
 c) 3
 d) 1
- (xiv) 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
- (xv) Select the correct option : The outermost layer of heart is
- a) Endocardium
 b) Myocardium
 c) Epicardium
 d) Perimetrium
- (xvi) Select the correct option : The function of sweat gland is
- a) Produce sebum
 b) Produce blood
 c) Produce sweat
 d) Produce WBC
- (xvii) Select the correct option : The TSH is secreted from
- a) Anterior pituitary
 b) Posterior pituitary
 c) Thyroid gland
 d) Gonads
- (xviii) Select the correct option : T₃ is
- a) Tetraiodothyronin
 b) Triiodothyronin
 c) Thyroxin
 d) None of these
- (xix) Select the correct option from the following : The power house of cell is
- a) Lysosome
 b) Mitochondria
 c) Ribosome
 d) Nucleus
- (xx) Select the correct option from the following: 'Suicidal Bag' is
- a) Ribosome
 b) Nucleus
 c) Lysosome
 d) SER

Group-B

(Short Answer Type Questions)

2. Write a short note on pharynx, lungs. (3)
3. Write a short note on larynx, trachea and alvioli. (3)
4. Describe about the coronary circulation. (3)
5. Describe about the systemic circulation. (3)

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- 6. Explain the disorders of joints. (3)
- 7. Explain the characteristics and functions of WBCs. (3)
- 8. Explain briefly the squamous, cuboidal epithelial tissue. (3)
- 9. Define the structure of cell membrane with functions. (3)
- 10. Define the structure of mitochondria with functions. (3)
- 11. Explain the 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 about the physiology of digestion and absorption process in human body. (5)
- 13. Briefly classify the parts of skin with proper diagram and functions. (5)
- 14. Describe briefly about the process of urine formation. (5)
- 15. Briefly explain the structure and function of heart with proper diagram. (5)
- 16. Explain briefly the para sympathetic nervous system. (5)
- 17. Explain briefly the names and functions of cranial nerves. (5)

OR

Explain briefly the sympathetic nervous system. (5)
