



**BRAINWARE UNIVERSITY**

**Term End Examination 2018 - 19**

**Programme– Bachelor of Pharmacy**

**Course Name - Human Anatomy and Physiology II**

**Course Code –BP201T**

(Semester – 2)

**Time allotted: 3 Hours**

**Full Marks : 75**

[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)

20 x 1 = 20

1. *Choose the correct alternative from the following*
  - (i) Which of the following is the Glomerular Filtration Rate of a nephron?
 

a. 125ml/day	b. 180ml/day
c. 125L/day	d. 125ml/min
  - (ii) Axoplasm is the \_\_\_\_\_
 

a. blood plasma that nourishes a nerve	b. fluid external to the axon but inside the myelin sheath
c. cytoplasm of the dendrite	d. cytoplasm of the axon
  - (iii) The "sodium-potassium pump" pumps \_\_\_\_\_.
 

a. sodium ions out and potassium ions in	b. sodium ions in and potassium ions out
c. sodium and potassium ions in	d. sodium and potassium ions out
  - (iv) Addison’s disease is related to:
 

a. Thyroid gland	b. Parathyroid gland
c. Adrenal gland	d. Thymus gland
  - (v) Which of the following carries both the sensory and motor information?
 

a. Motor nerves	b. Sensory nerves
c. Mixed nerve	d. Heart

- (vi) An action potential:
- a. involves the efflux of negative ions to depolarize the membrane.
  - b. involves the influx of negative ions to depolarize the membrane .
  - c. is initiated by potassium ion movements.
  - d. is essential for nerve impulse propagation.
- (vii) The renal pyramids are separated from each other by extensions of the renal cortex which are called \_\_\_\_\_.
- a. Renal medulla
  - b. Medullary cortices
  - c. minor calyces
  - d. Renal columns
- (viii) Which endocrine gland is present in front of larynx?
- a. Parathyroid gland
  - b. Thyroid
  - c. Thymus
  - d. None of the above
- (ix) The number of nephron in each kidney is about:
- a. 100
  - b. 1000
  - c. 1 million
  - d. 10000
- (x) Tonsils are present in:
- a. Pharynx
  - b. Larynx
  - c. Pancreas
  - d. Liver
- (xi) The right and left lungs are divided into:
- a. 3 lobes and 2 lobes respectively
  - b. 2 lobes and 3 lobes respectively
  - c. 3 lobes each
  - d. None of the above
- (xii) The intestinal juice contains enzyme:
- a. Trypsin
  - b. Chymotrypsin
  - c. Enterokinase
  - d. None of the above
- (xiii) Myxedema is due to deficiency of :
- a. Thyroxine
  - b. Glucagon
  - c. Insulin
  - d. Parathormore
- (xiv) The peripheral nervous system includes mixed nerves that \_\_\_\_\_.
- a. serve the muscular and skeletal system
  - b. serve the parasympathetic system
  - c. contain both sensory and motor fibers
  - d. do not always know how to respond
- (xv) The output of water in the urine is mainly controlled by
- a. Insulin
  - b. Glucagon
  - c. Adrenalin
  - d. ADH



**Group – C**

(Long Answer Type Questions)

2x 10 = 20

Answer any *two* from the following

11. Write a note on hormone released from pituitary gland. 10
12. Describe the structure of nephron with the help of diagram. 10
13. Give the general outline of male reproductive organ. 10

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