

B. PHARM.
SECOND SEMESTER
HUMAN ANATOMY & PHYSIOLOGY-II
BP201T [REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]

SET
A

Duration : 3 hrs.

Full Marks : 75

[PART-A: Objective]

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

- Which of the following is the proper sequence of structures in the Nephron?
 - Glomerulus, proximal convoluted tubule, distal convoluted tubule, nephron loop
 - Glomerulus, nephron loop, proximal convoluted tubule, distal convoluted tubule
 - Glomerulus, proximal convoluted tubule, nephron loop, distal convoluted tubule
 - Proximal convoluted tubule, glomerulus, nephron loop, distal convoluted tubule
- If there is an injury in the hypothalamus region of the brain, it is most likely to affect
 - Regulation of body temperature
 - Short-term memory
 - Decision making
 - Coordination during locomotion
- The exchange of gases between blood and cells is called
 - Pulmonary ventilation
 - External respiration
 - Internal respiration
 - Cellular respiration.
- All of the following are hormones of the anterior pituitary except:
 - Human growth hormone (GH)
 - Follicle-stimulating hormone (FSH)
 - Thyroid-stimulating hormone (TSH)
 - Parathyroid hormone(PTH)
- The micturition reflex center is located in the
 - Kidneys
 - Sacral segment of the spinal cord
 - Urinary bladder
 - Hypothalamus
- The brain stem does not include the
 - Diencephalon
 - Midbrain
 - Medulla oblongata
 - Pons
- Which one of the following is correct regarding larynx?
 - It prevents the invading pathogens into the trachea
 - It is an organ made of cartilage and connects the pharynx to the trachea
 - It houses the vocal cords
 - All of the above
- What is the trachea?
 - The tube connecting the lungs to the outside of the body
 - The network of second-largest air sacs within each lung
 - The outermost lining of the lungs
 - None of the above
- Which of the following hormones are responsible for the "fight-or-flight" response?
 - Epinephrine and norepinephrine
 - Estrogen and progesterone
 - Insulin and glucagon
 - Thyroxin and melatonin

10. Which of the following portion of the stomach opens into the small intestine?
 - a. Cardiac portion
 - b. Fundus portion
 - c. Pyloric portion
 - d. Body portion
11. The pituitary hormone that stimulates the male testes to produce sperm and stimulates the development of the follicle in the female on a monthly cycle is:
 - a. Growth hormone
 - b. Prolactin
 - c. Luteinizing hormone
 - d. Follicle-stimulating hormone
12. Which of the following describes a correct order of structures in the respiratory passageways?
 - a. Pharynx, trachea, larynx, bronchi, bronchioles
 - b. Larynx, pharynx, trachea, bronchioles, bronchi
 - c. Trachea, pharynx, larynx, bronchi, bronchioles
 - d. Pharynx, larynx, trachea, bronchi, bronchioles
13. Another name of Bulbourethral gland is
 - a. Cowper's gland
 - b. Seminal vesicles
 - c. Prostate gland
 - d. Ovary
14. _____ are the neurons carrying impulses away from the central nervous system
 - a. Efferent nerves
 - b. Afferent nerves
 - c. Sensory nerves
 - d. Extensors
15. The volume of air in a normal breath is called
 - a. Total lung capacity
 - b. Tidal volume
 - c. Vital capacity
 - d. Residual volume
16. How do hormones from the thyroid and parathyroid regulate the calcium concentration of the blood?
 - a. Calcitonin lowers blood calcium; parathyroid hormone raises blood calcium
 - b. Parathyroid hormone lowers blood calcium; calcitonin raises blood calcium
 - c. Thyroxine and triiodothyronine together regulate calcium levels
 - d. Both parathyroid hormone and the three thyroid hormones function to regulate blood calcium levels
17. Where is bile juice produced in the human body?
 - a. Salivary Gland
 - b. Liver
 - c. Gall bladder
 - d. Pancreas
18. These cells of the testes secrete testosterone
 - a. Sertoli cells
 - b. Cells of germinal epithelium
 - c. Cells of Leydig or interstitial cells
 - d. Secondary spermatocytes
19. The Myelin sheath is derived from the
 - a. Microglia
 - b. Nerve cells
 - c. Schwann cells
 - d. Both a and c are correct

20. Which of the following female reproductive organ is called the site of fertilisation?
- Fallopian tube
 - Uterus
 - Vagina
 - Ovary

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(PART-B : Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

- Describe the physiology of urine formation. 5
- Define Neuroglia. Explain its types. 1+4=5
- What is Oogenesis? Give a brief account of Oogenesis. 1+4=5
- Explain the structure of brain. 5
- Write the anatomy of male reproductive system. 5
- Define the term genetics. Write a note on chromosome. 1+4=5
- Explain the Renin Angiotensin Aldosterone System. 5
- Write a short note on Pregnancy. 5
- Write the mechanism of respiration. 5

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PART-C: Long type questions

[Answer any two (2) questions]

1. Write the anatomy and physiology of stomach. 10
2. Define menstrual cycle and explain its various phases with diagram. 1+9=10
3. Write a note on Endocrine glands 10

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