

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.PHARM FIRST SEMESTER

SECOND INTERNAL THEORY EXAMINATION: 2022-23

Subject Name: Human Anatomy and Physiology
Subject Code: BP101T
Time: 1 hr 15 min

Date: 20-02-2023
Total Marks: 30

Instructions:

- 1. Make suitable assumptions wherever necessary.**
- 2. Figures to the right indicate maximum marks.**

Q.1 Multiple Choice Questions. (10 X 1=10) (10)

- 1** Afferent nerve carry impulses from
a) CNS to muscles
b) CNS to receptors
c) receptors to CNS
d) effector organs to CNS
- 2** The lymphatic system consists of all the following except
a) blood
b) lymph nodes
c) Lymphatic vessels
d) Lymph
- 3** In peripheral nervous system that arise from spinal cord and brain are called as
a) spinal nerves
b) cranial nerves
c) temporal nerves
d) frontal nerves
- 4** Which of the following is not a part of peripheral nervous system
a) Cranial nerve
b) ganglion
c) spinal nerve
d) spinal cord
- 5** The thickest layer in heart is
a) Endocardium
b) Myocardium
c) Epicardium
d) Pericardium
- 6** Human heart is covered by a double membrane sac called
a) plura
b) kura
c) epicardium
d) pericardium
- 7** The t lymphocytes and b lymphocytes are major cells of
a) lymph nodes
b) lymphatic vessels
c) adrenal gland
d) thymus
- 8** Lymph nodes maybe located in the human body in the tissues of
a) stomach and brain
b) groin and neck
c) atrium
d) thyroid land
- 9** The vitamin essential for blood clotting is
a) vitamin A
b) vitamin B
c) vitamin C
d) vitamin K
- 10** Clumping of cells is known as
a) clotting
b) mutation
c) agglutination
d) none of the above

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Q.2 Long Answer: (Answer Any one) (1 X 10 =10) (10)

- 1) Explain disorders of blood with special emphasis on anemia and its types
- 2) Write down composition and functions of blood. Briefly describe mechanism of coagulation

Q.3 Short Answer (Answer Any Two) (2 X 5=10) (10)

- 1) Classify nervous system. Explain anatomy of eye with a diagram
- 2) Describe anatomy of heart with a neat labeled diagram
- 3) Explain systemic and pulmonary circulation