

Seat No. _____

Enrolment No. _____

THE CHARUTAR VIDYA MANDAL UNIVERSITY

B.PHARM – SEMESTER 1

APRIL 2024 (BACKLOG) EXAMINATION

Course Title: Human Anatomy and Physiology-I

Course Code(s): 108010101

Total Printed Pages: 02

Date: 16/04/2024

Time: 10.00 am to 01.00 pm

Maximum Marks: 75

Instructions:

- Attempt all questions.
- Numbers to the right indicate marks.
- Make suitable assumptions wherever necessary.
- Draw diagram whenever necessary.

- Q.1** **A.** Answer the following **10**
1. Define Homeostasis.
 2. What is Arrhythmia.
 3. Define the term: Glaucoma.
 4. What is Neuromuscular junction.
 5. Write a definition of Arthritis.
- B.** Define tissue. Explain different types of epithelial tissue. **5**
- OR
- B.** Compare and contrast parasympathetic and sympathetic nervous system.
- Q.2** Answer the following (any three) **15**
- A. Explain the process of Erythropoiesis in detail.
 - B. Write a note on cranial nerves.
 - C. Describe various transport mechanism across the cell membrane.
 - D. Explain methods of measurement of blood pressure. Write a note on Renin Angiotensin System
- Q.3** **A.** Answer the following **10**
1. Define the term Phagocytosis.
 2. Define the Pinocytosis.
 3. Write a definition of Exocytosis.
 4. What is Transcytosis?
 5. What is Osmosis?
- B.** Draw and label the diagram of Heart. **5**
- OR
- B.** Draw and label the diagram of eye.
- Q.4** Answer the following (any three) **15**
- A. Write a note on electrocardiogram.
 - B. Describe structure, circulation and functions of spleen.
 - C. Describe physiology of hearing.
 - D. Draw clean and neat diagram of Cell.

Q.5 Answer the following (any three)

15

- A.** Write a short note on blood groups.
- B.** Write anatomy and physiology of tongue.
- C.** Explain internal ear with diagram.
- D.** Discuss anatomy of lymph node with clean and neat diagram.
