



Paper id: 252747

Printed Page: 1 of 1
Subject Code: BP101T

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BPHARM
(SEM I) THEORY EXAMINATION 2024-25
HUMAN ANATOMY AND PHYSIOLOGY– THEORY

TIME: 3 HRS**M.MARKS: 75****Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

a.	Name the largest nerve of human body.
b.	Define osteoblast and osteoclast.
c.	What is Erythropoiesis?
d.	Write the names of bones present in the ear.
e.	What is cardiac output?
f.	Write the function of mitochondria.
g.	What do you mean by Heart rate?
h.	Differentiate between thick and thin filament.
i.	What is Erythropoiesis?
j.	What is catabolism and anabolism?

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Draw the labelled diagram of a cell. Explain its organelles in detail.
b.	Write a note on structure and functions of sympathetic and parasympathetic nervous system and their neurotransmitters. (Difference between them).
c.	Draw a neat clean diagram of heart. Explain in detail Cardiac cycle

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Explain negative feedback mechanism with example.
b.	Write about composition and functions of blood.
c.	Write a note on disorder related to heart.
d.	Describe the basic anatomy of Eye with the help of diagram
e.	Explain the cell division in detail.
f.	Classify skeletal system & discuss about the structure and functions of vertebral column.
g.	Write a note on neuromuscular junction.