



Paper id: 253102

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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.	Define homeostasis.
b.	Define cardiac output.
c.	Demonstrate abduction and adduction.
d.	Name the types of bone and give one example each.
e.	Describe cell communication.
f.	Write about the two main functions of circulatory system.
g.	Explain cellular level of organization.
h.	Write the name of pigment present in rod and cone cell.
i.	Explain Rh factor
j.	Differentiate sympathetic and parasympathetic nervous system.

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

a.	Explain the physiology of muscle contraction with a neat diagram of neuromuscular junction.
b.	What is the composition and functions of blood? Explain ABO blood grouping system.
c.	Illustrate a well labeled diagram of heart. Explain in detail cardiac cycle.

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

a.	Discuss about the structure and function of plasma membrane.
b.	Define erythropoiesis. Explain its mechanism in detail.
c.	Classify joints and describe types of joint movements with examples.
d.	Describe the conduction system of heart and regulation of heartbeat.
e.	Explain the anatomy and physiology of muscles contraction
f.	Discuss about the mechanism of physiology of hearing.
g.	Elaborate the process of blood coagulation.