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BPHARM
(SEM I) THEORY EXAMINATION 2021-22
HUMAN ANATOMY AND PHYSIOLOGY– THEORY

Time: 3 Hours**Total 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.	Recall the role of centrosomes.
b.	Describe the physiological role of Cholesterol in Plasma Membrane.
c.	Restate the function of Langerhans cell in Skin?
d.	Enlist the names of regulatory proteins in skeletal muscle.
e.	Identify the blood group known as Universal acceptor.
f.	Differentiate artery, veins, and capillaries.
g.	Examine the longest Cranial Nerve.
h.	Differentiate preganglionic neurons and post ganglionic neurons.
i.	Recall the tissue name known as Pacemaker?
j.	Define Stroke Volume.

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

a.	Discuss cell with well labelled diagram. Explain its organelles in detail.
b.	Illustrate hemostasis. Discuss the various pathways of blood coagulation.
c.	Explain the structural and functional difference of Sympathetic and Parasympathetic division of autonomic nervous system.

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

a.	Classify transport across plasma membrane. Explain the process of active transport.
b.	Explain the structure of Synovial Joint with the help of diagram
c.	Discuss the structure and functions of Lymph node and Spleen.
d.	Describe Heart with well labelled diagram and explain ECG.
e.	Explain the anatomy and physiology of hearing.
f.	Explain the physiology of muscle contraction.
g.	Outline NMJ. Discuss the phenomenon of neuromuscular junction with the help of diagram