Subject Code: BP101T

PAPER ID-411302

Roll No: | | | | | | | | | | | | | |

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.	Describe the role of smooth endoplasmic reticulum.
b.	Describe the physiological role of Golgi complex.
c.	Give the function of Langerhans cell in Skin?
d.	Enlist the names of contractile proteins in human body.
e	Identify the blood group known as Universal donor?
f.	Differentiate blood capillaries and lymphatic capillaries.
g.	Define systolic and diastolic blood pressure.
h.	Differentiate preganglionic neurons and post ganglionic neurons.
i.	Write the tissue name known as Pacemaker?
j.	Define Cardiac Output.

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 primary active transport.
b.	Explain the structure of Long Bone with the help of diagram.
c.	Discuss the structure and functions of Lymph node.
d.	Describe Heart with well labelled diagram. Relate electrocardiogram (ECG) with it.
e.	Explain the anatomy and physiology of Vision.
f.	Classify Joints. Explain the structure of Synovial Joint.
g.	Discuss the phenomenon of neuromuscular junction with the help of diagram.

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