Enrollment No: _____ Exam Seat No: _____

C.U. SHAH UNIVERSITY
Winter Examination-2020

Subject Name: Human Anatomy and Physiology I - Theory
Subject Code: BP101T **Branch: B.Pharm**
Semester: 1 **Date: 08/03/2021** **Time: 11:00 To 02:00** **Marks: 75**

Instructions:
(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q-1 **Attempt the following questions:** **(20)**

a)	Enumerate function of blood.	2
b)	Classify different types of joints.	2
c)	What is connective tissue? Explain it with example.	2
d)	Enlist cell organelles.	2
e)	Composition of blood.	2
f)	Explain difference between active and passive transport mechanism.	2
g)	Define pulse and blood pressure.	2
h)	What is presynaptic neuron and postsynaptic neuron?	2
i)	Define Heart rate and cardiac output.	2
j)	Explain synapse.	2

Attempt the following questions:

Q-2 **Attempt any two questions of following : (2*10 Marks = 20 Marks)** **(20)**

A	Discuss cell cycle. Explain detail about miosis.	**10**
B	Classify tissue. Explain epithelial tissue in detail.	**10**
C	Draw neat and labeled diagram of heart. Explain blood clotting mechanism.	**10**

Q-3 **Attempt any seven questions of following : (7*5 Marks = 35 Marks)** **(35)**

A	Explain ABO and Rh blood group systems.	**5**
B	Explain life cycle of RBC in detail with suitable diagram.	**5**
C	Explain anatomy and physiology of eye with diagram.	**5**
D	Explain anatomy and physiology of skin.	**5**
E	Draw neat and labeled diagram of cell. Explain detail about cell membrane.	**5**
F	Write difference between blood vessel and artery.	**5**
G	Classify nervous system. Differentiate between ANS and SNS.	**5**
H	What is homeostasis? Explain positive and negative feedback mechanism.	**5**
I	Explain structure of lymph node and function of lymphatic system.	**5**