

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2022

Subject Name : Human Anatomy and Physiology - Theory

Subject Code : 3SC01HAP1 / 3SC01HAP2

Branch: PGDMLT

Semester: 1

Date: 09/01/2023

Time: 11:00 To 02:00

Marks: 70

### Instructions:

- (1) Use of Programmable calculator and 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.
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### SECTION – I (ANATOMY)

Q-1 (10)

- a. Describe with help of a neat labelled Diagram the Typical Animal Cell. Write one important function of at least 5 organelles that you have drawn and labelled.

OR

- b. Classify the Human Primary Tissue and write down the location and one important of each tissue.

Q-2 Attempt any three: (15)

- a. Describe briefly with a Diagram the Layers of the Skin.
- b. Classify Joints of Human Body- with an example of each.
- c. Write the differences between Arteries and Veins.
- d. Describe briefly the Different Parts of the Alimentary Canal from Mouth to Anus.

Q-3 Attempt any five: (10)

- a. Enumerate the Bones forming the knee joint.
- b. Enumerate the Bones forming the elbow joint.
- c. Enumerate two Muscles in the Arm.
- d. Enumerate two Muscles in the leg.
- e. Enumerate the names of the arteries supplying the Heart.
- f. Enumerate the two Important Muscles for Injection.



## SECTION – II (PHYSIOLOGY)

- Q-1 (10)
- Define erythropoiesis. Describe the stages of erythropoiesis. Write in brief about factors affecting erythropoiesis.
- OR
- Define haemostasis. Write in brief about the events of haemostasis.
- Q-2 (15)
- Write short notes on any three:
- Functions of Kidney
  - Mechanism of respiration
  - Growth Hormone
  - White blood cells
- Q-3 (10)
- Attempt any five:
- Enumerate types of anaemia.
  - Enumerate functions of stomach.
  - Complications of mismatched blood transfusion.
  - Define action potential.
  - Causes of erythrocytosis.
  - Causes of tachycardia.

