

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

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

# C.U.SHAH UNIVERSITY

## Summer Examination-2017

**Subject Name: Human Anatomy & Physiology**

**Subject Code: 2SC01HAP1**

**Branch: PGDMLT**

**Semester: 1**

**Date: 20/03/2017**

**Time: 10:30 To 01:30**

**Marks: 70**

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.
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### SECTION -A (Anatomy)

**Q-1. (Compulsory)**

**(1x7=7)**

- a. Name one vein used for Intravenous Injections
- b. Name the artery carrying blood from the Heart to brain
- c. Which is the master gland of the human body \_\_\_\_\_
- d. Destruction of R.B.Cs takes place in which organ \_\_\_\_\_
- e. What are the names given to the first and second cervical vertebrae
- f. How many pairs of spinal nerves exit from the spinal cord? \_\_\_\_\_
- g. Write the functions of Thermo-receptors\_\_\_\_\_

**Q-2. Attempt the Following**

**(5+5+4)**

- a. Write a short note on 'systemic circulation'
- b. Describe in brief 'liver and function'
- c. Describe in Brief 'lungs'.

**OR**

**Q-2. Write Short Notes on**

**(7+7)**

- a. Write a short note on the 'synovial joints'
- b. Write a short note on 'cardio vascular system'



**Q-3. Attempt the Following**

**(5+5+4)**

- a. Draw a labeled Diagram and Describe the structure and Function of a 'Typical Animal Cell'.
- b. Write a short note on 'spinal nerves'
- c. Write in brief the function of diaphragm.

**OR**

**Q-3. Attempt the Following**

**(7+7)**

- a. Write Short Note on Structure of the 'Spinal cord'
  
- b. Write Short Note on 'Important muscles used for I.M injections'

**SECTION -B (Physiology)**

- |     |  |    |
|-----|--|----|
| Q-1 | Define the following terms:                      | 06 |
|     | A Retina   |    |
|     | B SA node  |    |
|     | C Haemoglobin                                    |    |
|     | D Immunity                                       |    |
|     | E Alveoli  |    |
|     | F Ganglion                                       |    |
| Q-2 | Write short notes on:                            | 14 |
|     | A Diabetes Mellitus <b>OR</b> Spermatogenesis    |    |
|     | B Blood Pressure <b>OR</b> Heart rate            |    |
| Q-3 | Write in short on:                               | 15 |
|     | A Menstrual cycle <b>OR</b> Cerebral hemispheres |    |
|     | B Renal function tests <b>OR</b> Cerebellum      |    |
|     | C Liver function tests <b>OR</b> Visual pathways |    |

