

# C.U.SHAH UNIVERSITY

## Summer Examination-2017

**Subject Name: Human Anatomy & Physiology-II**

**Subject Code: 4PS02HAP2**

**Branch: B.Pharm**

**Semester: 2**

**Date: 09/05/2017**

**Time: 02:00 to 05:00**

**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.

- Q-1 Define the following: (14)
- |                     |            |              |                  |
|---------------------|------------|--------------|------------------|
| a. EPSP             | b. COPD    | c. lumbar    | d. syndrome      |
| e. optic nerve      | f. fetus   | g. vertebrae | h. Somatic       |
| i. gestation period | j. Motor   | k. Lacrimal  | l. contraceptive |
| m. oral             | n. Genetic |              |                  |

**Attempt any four questions from Q-2 to Q-8**

- Q-2 a. Explain Physiology of respiration. (07)  
b. Draw labeled diagram of neuron. Write structural and functional classification of neurons. (07)
- Q-3 a. Write the names and functions of cranial nerve. (07)  
b. Draw label diagram of eye and enlist the eye diseases. (07)
- Q-4 a. Write note on Parkinson's disease and Alzheimer's. (07)  
b. Write note on : medulla oblongata, hypothalamus and pons. (07)
- Q-5 a. Classify neurotransmitter with example and give account on Acetylcholine and Dopamine (07)  
b. Draw labeled diagram of male reproductive systems. Write the name of contraceptive methods. (07)
- Q-6 a. Draw label diagram of uterus and Write the physiology of menstruation. (07)  
b. Write the name of anterior pituitary secreting hormone. Explain in details about FSH and TSH. (07)
- Q-7 a. Give brief explanation about Rennin Angiotensin System-Juxta - Glomerular apparatus (07)  
b. Write brief note on: Asthma and polio. (07)
- Q-8 a. Write the differences between sympathetic and parasympathetic neurotransmitter with example. (07)  
b. Write note on: Graded potential and Resting membrane potential. (07)

