

# C.U.SHAH UNIVERSITY

SUMMER 2015

**Branch:** Pharmacy  
**Subject Code :**4PS02HAP2

**Semester:** B. Pharm II Semester  
**Subject:** Human Anatomy and Physiology II  
**Total Marks :**70

- Q.1
- a. What is Tidal Volume and Residual volume?
  - b. Explain Hypoxic condition.
  - c. Write the name of excitatory and inhibitory neurotransmitter.
  - d. Write the name of ear bones and its function.
- (14)

### Attempts Any Fours

- Q.2
- a. Draw label diagram of eye and explain any two diseases of eye. (7)  
Cataract and Glaucoma
  - b. Give Brief explanation about External respiration and Internal respiration. (7)
- Q.3
- a. Write brief notes on : Asthma and Epilepsy (7)
  - b. Explain Part of neuron with labeled diagram. (7)
- Q.4
- a. Write the name of secreting hormone from hypothalamus and anterior pituitary. Write the role of FSH and TSH. (7)
  - b. Write the difference between sympathetic and parasympathetic neurotransmitter with example. (7)
- Q.5
- a. Write notes on hypothalamus and medulla oblongata. (7)
  - b. Enumerate function of each cranial nerve. (7)
- Q.6
- a. Write notes on Parkinson's disease and renal failure. (7)
  - b. Write the synthesis and release of Acetylcholine and noradrenalin. (7)
- Q.7
- a. Draw labeled Diagram of nephron. Write the function of Loop of henle and Bowman's Capsule. (7)
  - b. Write the physiology of menstruation and its importance. (7)
- Q.8
- a. Write note on various contraceptive methods (7)
  - b. Draw ladled Diagram of Uterus. Write the function fallopian tube and ovary. (7)