

Sr. No: \_\_\_\_\_

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

# C. U. SHAH UNIVERSITY

**B. Pharm. – SEMESTER – II • EXAMINATION – SUMMER • 2015**

**Subject Code: 4PS02HAP2**

**Date:**

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

**Total Marks: 70**

**Instructions:**

- 1. Attempt five questions. Q.1. is compulsory.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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|-------------|--|-----------|
| <b>Q.1.</b> | (a) Explain mechanism and regulation of respiration.                                 | <b>05</b> |
|             | (b) Write a note on cerebrospinal fluid.   | <b>05</b> |
|             | (c) Give brief detail on COPD and tuberculosis.                                      | <b>04</b> |
| <b>Q.2.</b> | (a) Write a note on anatomy and physiology of medulla oblongata.                     | <b>05</b> |
|             | (b) Enumerate and write functions of each cranial nerve.                             | <b>05</b> |
|             | (c) Write a note on spinal cord.   | <b>04</b> |
| <b>Q.3.</b> | (a) Write a detailed note on reflex arch with suitable diagram.                      | <b>05</b> |
|             | (b) Describe anatomy of bronchi and lungs.   | <b>05</b> |
|             | (c) Explain following terms: 1. Multiple Sclerosis 2. Impotence                      | <b>04</b> |
| <b>Q.4.</b> | (a) Write a note on cholinergic transmission.  | <b>05</b> |
|             | (b) Describe the Electrical transmission in the nerve.                               | <b>05</b> |
|             | (c) Give difference between sympathetic and parasympathetic system.                  | <b>04</b> |
| <b>Q.5.</b> | (a) Explain in detail physiology of hearing.   | <b>05</b> |
|             | (b) Write a note on protective coverings of brain.                                   | <b>05</b> |
|             | (c) Explain the following term: 1. Glaucoma 2. Renal calculi                         | <b>04</b> |
| <b>Q.6.</b> | (a) Discuss physiology of urine formation in detail.                                 | <b>05</b> |
|             | (b) Explain in detail importance of buffer system for Acid-Base balance.             | <b>05</b> |
|             | (c) Discuss post synaptic potentials.  | <b>04</b> |
| <b>Q.7.</b> | (a) Enlist thyroid hormones. Discuss control of release and functions of thyroxin.   | <b>05</b> |
|             | (b) Discuss the physiology of menstrual cycle.                                       | <b>05</b> |
|             | (c) Write a brief note on parkinson's disease and diabetes mellitus.                 | <b>04</b> |
| <b>Q.8.</b> | (a) Draw a labeled diagram of male reproductive system.                              | <b>05</b> |
|             | (b) Enumerate various methods of contraception. Describe surgical methods in detail. | <b>05</b> |
|             | (c) Write a brief note on disorders associated with pituitary gland.                 | <b>04</b> |

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