

**Pharm-D. I -Year (Instant) Examination, January 2014****Subject : Human Anatomy and Physiology****Time : 3 Hours****Max. Marks: 70****Note: Answer All questions from Section – A and any five questions from Section – B.****Section – A (10 x 2 = 20 Marks)**

- |    |   |   |
|----|---|---|
| 1  | What are the functions of Blood?                                      | 2 |
| 2  | Define the following terms Myo cordial infarction, Angina pectorosis. | 2 |
| 3  | Define vital capacity   | 2 |
| 4  | Write the functions of parathyroid hormone.                           | 2 |
| 5  | List the different types of taste buds and write their functions.     | 2 |
| 6  | Define reflex action.   | 2 |
| 7  | Write the composition of Blood.                                       | 2 |
| 8  | What are the functions of muscular tissue?                            | 2 |
| 9  | What are functions of Hypothalamus?                                   | 2 |
| 10 | Define Cardiac out put.   | 2 |

**Section – B (50 Marks)**

- |    |  |    |
|----|--|----|
| 11 | Discuss the structure and functions of different connective tissues.                                 | 10 |
| 12 | Explain about natural methods of contraception. Write about functions of testosterone.               | 10 |
| 13 | Define cardiac cycle and describe the events involved in cardiac cycle.                              | 10 |
| 14 | Explain the anatomy and physiology of ear.   | 10 |
| 15 | Discuss the structure and functions of Kidney with a neat labelled diagram.                          | 10 |
| 16 | (a) Discuss the structure of small intestine.  | 4  |
|    | (b) Write about digestion of protein.  | 6  |
| 17 | Write the functions of sympathetic and parasympathetic nervous system.                               | 10 |
| 18 | List the hormones secreted from anterior pituitary glands. Write the functions of any four Hormones. | 10 |

\*\*\*\*\*