

**First Year B.Sc MLT Degree Examinations, September 2015**

**ANATOMY & PHYSIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all questions. Draw diagrams wherever necessary.
- Write **SECTION A** and **SECTION B** in separate answer books(32 Pages). Do not mix up questions from section A and section B.

**QP CODE:101012**

**Section A – ANATOMY**

**Marks:50**

**Essay**

**(10)**

1. Describe the structure of neuron. How will you classify it. What are the different lobes of human brain. Name the cavities of brain (3+2+3+2=10)

**Short notes**

**(5x5=25)**

2. Blood supply of heart
3. Urinary bladder with its relations in males
4. Broncho pulmonary segments
5. Microscopic structure of pancreas
6. Retina

**Answer briefly**

**(5x3=15)**

7. Bones of cranium
8. Lymph node
9. Taste buds of tongue
10. Placenta
11. Spinal nerves

**QP CODE:102012**

**Section B – PHYSIOLOGY**

**Marks:50**

**Essay**

**(10)**

1. Describe the different phases of gastric secretion. How is it regulated. Discuss the functions of stomach (3+3+4=10)

**Short notes**

**(5X5=25)**

2. Glomerular filtration rate
3. Growth hormone
4. Neuromuscular junction
5. Normal ECG
6. CSF –composition and functions

**Answer briefly**

**(5x3=15)**

7. Functions of ear
8. Peristalsis
9. Mismatched blood transfusion
10. Pain pathway
11. Functions of testis