

**First Year B.Sc MLT Degree Supplementary Examinations, April 2016**

**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 in detail the anatomy of kidney. Explain briefly its blood supply and venous drainage. (7+3 = 10)

**Short notes**

**(5x5=25)**

2. Muscles of respiration
3. Microscopic structure of compact bones
4. Suprarenal gland
5. Olfactory epithelium
6. Vascular tissue

**Answer briefly**

**(5x3=15)**

7. Portal venous system
8. Gall bladder
9. Conducting system of heart
10. Serous salivary gland
11. Ovarian follicles

**QP CODE:102012**

**Section B – PHYSIOLOGY**

**Marks:50**

**Essay**

**(10)**

1. Define hormone. Name the hormones secreted by anterior pituitary. Describe the physiological actions of any one of these hormones (1+6+3=10)

**Short notes**

**(5X5=25)**

2. Basal ganglia - functions
3. Chemical regulation of respiration
4. Functions of pancreatic juice
5. Coronary circulation
6. Resting membrane potential

**Answer briefly**

**(5x3=15)**

7. Gastrin
8. Visual receptors
9. Dialysis
10. Reflex action
11. Platelet count

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