

**First B.Sc MLT Degree Supplementary Examinations, April 2014**

**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. Do not mix up questions from Section A and Section B.

**QP CODE:101012**

**Section A – ANATOMY**

**Marks:50**

**Essay**

**(10)**

1. Name the parts of urinary system. Describe kidney under following headings.

- Surfaces and borders
  - Microscopic structure
  - Arterial supply
  - Venous drainage
- (2+2+2+2+2=10)

**Short notes**

**(5x5=25)**

2. Pharynx
3. Diaphragm
4. Mediastinum
5. Meninges
6. Stratified epithelia

**Answer briefly**

**(5x3=15)**

7. Pancreas
8. Pericardium
9. Fibrous joints
10. Humerus
11. Microscopic anatomy of thyroid gland

**QP CODE:102012**

**Section B – PHYSIOLOGY**

**Marks:50**

**Essay**

**(10)**

1. Explain the mode of transport of oxygen in the blood .Add a note on hypoxia.

(7+3=10)

**Short notes**

**(5X5=25)**

2. Humoral immunity
3. Coronary circulation
4. Actions of thyroid hormones on metabolism
5. Functions of placenta
6. Mechanism of secretion of HCl from stomach

**Answer briefly**

**(5x3=15)**

7. Functions of basal ganglia
8. Glomerular filtration
9. Myopia
10. First heart sound
11. Sarcomere

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