

First B.Sc MLT Degree Examinations, September 2013

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. Describe the stomach under the following headings

- Parts
 - Relations
 - Blood supply
 - Lymphatic drainage
 - Nerve supply
- (1+2+3+2+2 = 10)

Short notes

(5x5=25)

2. Spinal cord
3. Urinary bladder
4. Microscopic structure of thyroid gland
5. Right atrium
6. Middle ear

Answer briefly

(5x3=15)

7. Deltoid muscle
8. Stratified squamous epithelium
9. Parietal pleura
10. Ovary
11. Synovial joint

QP CODE:102012

Section B – PHYSIOLOGY

Marks:50

Essay

(10)

1. Define blood pressure and mention its normal value. Explain the short term regulation of blood pressure. Describe one method of determination of blood pressure in human beings.

(2+1+5+2=10)

Short notes

(5X5=25)

2. Glomerular filtration rate.
3. Composition and functions of cerebrospinal fluid.
4. Oxygen dissociation curve.
5. Neuromuscular transmission of impulses.
6. Visual pathway.

Answer briefly

(5x3=15)

7. Osmotic fragility.
8. Parathormone.
9. Functions of placenta.
10. Dialysis.
11. Peristalsis.