

First B.Sc (MLT) Degree Supplementary Examinations, May 2012

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:1112

Section A – ANATOMY

Marks:50

Essay

(10)

1. Name the parts of the female reproductive system. Describe the uterus under the following headings

- Normal position and parts
- Relations
- Blood supply
- Lymphatic drainage

(2+2+2+2+2 = 10)

Short notes

(5x5=25)

2. Pancreas
3. Broncho-pulmonary segments of right lung
4. Microscopic structure of kidney
5. Pericardium
6. Tongue

Answer briefly

(5x3=15)

7. Neuron
8. Connective tissue fibres
9. Gall bladder
10. Mandible
11. Thick skin

QP CODE:1212

Section B – PHYSIOLOGY

Marks:50

Essay

(10)

1. Write down the composition and functions of exocrine pancreatic secretion. How it is regulated.

(6+4=10)

Short notes

(5X5=25)

2. Normal electro cardiogram and causes of each wave.
3. Neural regulation of respiration.
4. Glucose re-absorption in renal tubule.
5. Actions of growth hormone.
6. Pain pathway.

Answer briefly

(5x3=15)

7. Plasmaproteins.
8. Active transport across cell membrane.
9. Common refractive errors.
10. Factors affecting spermatogenesis.
11. Hypothalamus in temperature regulation.