

Reg.No:

First B.Sc (MLT) Degree Examinations, September 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:101012

Section A - ANATOMY

Marks:50

Essay

(10)

1. Describe heart under the following headings

- Borders • Surfaces • Chambers • Blood supply

(1+2+4+3=10)

Short notes

(5x5=25)

2. Tonsil

3. Microscopic structure of lung

4. Uterus

5. Cerebellum

6. Thick skin

Answer briefly

7. Broncho-pulmonary segments

8. Pancreas

9. Tibia

10. Taste buds

Ureter

QP CODE:102012

Section B - PHYSIOLOGY

Marks: 50

Essay

(10)

1. Explain the mechanism of transmission across a chemical synapse with the help of a neat and labeled diagram. Add a note on properties of synaptic transmission

(6+4)

Short notes

(5x5=25)

2. Action potential on a nerve

3. Oxygen dissociation curve

4. Functions of Sertoli cells

5. Plasma proteins

6. Functions of saliva

Answer briefly

(5x3=15)

7. Functions of middle ear

8. Upper motor neuron (UMN)

9. Mechanism of re-absorption of Na⁺ in the nephron

10. Conducting system of heart

11. Presbyopia

*****x*****