

[LG 0215]

FEBRUARY 2015

Sub. Code: 1101

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY/
CRITICAL CARE TECHNOLOGY**

FIRST YEAR

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 801101

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

I. Elaborate on:

(3 x 10 = 30)

1. Define cardiac output. What are the factors which regulate it?
2. Write about glucose and glycogen metabolism.
3. Osteology of upper limb and lower limb.

II. Write Notes on:

(8 x 5 = 40)

1. Lung volumes and lung capacities.
2. Auscultatory areas.
3. Pituitary hormones.
4. Spermatogenesis.
5. Trachea and bronchial tree.
6. Factors affecting enzyme activity.
7. Erythrocyte sedimentation rate.
8. Chambers and valves of heart.

III. Short Answers on:

(10 x 3 = 30)

1. Renal function test.
2. Buffers.
3. Exocytosis.
4. Pericardium.
5. Respiratory quotient.
6. Functions of bile.
7. Cerebrospinal fluid.
8. Respiratory movements.
9. Urinary bladder.
10. Basal metabolic rate.
