

[LD 0212]

AUGUST 2013

Sub. Code: 1101

**B.SC. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
AND B.Sc. 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. Name the chambers & Valves of the heart. Briefly describe the blood supply of heart?
2. Mention the parts of G.I. Tract. Briefly describe the role of bile in digestion?
3. Define the enzyme and classify it? Briefly describe the factors affecting the enzyme activity?

II. Write notes on:

(8 x 5 = 40)

1. Intercostal space
2. Name the bones of appendicular skeleton?
3. Name the parts of respiratory system with suitable diagram
4. Functions of cell
5. Functions of Haemoglobin
6. Cardiac cycle
7. Function of proteins
8. Fat soluble vitamins

III. Short Answers on:

(10 x 3 = 30)

1. Name the parts of bone
2. Name the parts of excretory system
3. Name the pleural recesses
4. Name the flexor muscles of the arm
5. Components of blood
6. Endocytosis
7. Name the renal disorders
8. Name the endocrine glands
9. Basal metabolic rate
10. Buffers
