

[LI 0216]

FEBRUARY 2016

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 and the factors affecting it.
2. Classify Joints. Describe the different types of synovial joints with suitable examples.
3. Fat soluble vitamins.

II. Write notes on:

(8 x 5 = 40)

1. Describe mitosis.
2. External features of the right lung.
3. Gross anatomy of the stomach.
4. Functions of haemoglobin.
5. Lung volumes and capacities.
6. Regulation of breathing.
7. Functions of CSF.
8. Renal function test.

III. Short Answers on:

(10 x 3 = 30)

1. Functions of mitochondria.
2. Name the intercostal muscles.
3. Rh factor.
4. Functions of saliva.
5. Clinical manifestations of thiamine deficiency.
6. Name the electrolytes that are routinely measured in clinical laboratory along with their normal values.
7. Types of RNA and their functions.
8. Name the coverings of the brain.
9. Name three structures that drain into the right atrium.
10. Name two common diseases affecting bones.
