

[LN 0818]

AUGUST 2018

Sub. Code: 1231

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2015-2016)

FIRST YEAR

Paper I – ANATOMY AND BIOCHEMISTRY

Q.P Code : 801231

Time : Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the origin, insertion, action, nerve supply and clinical importance of thoracic diaphragm.
2. Classify joints. Write in detail about the types of synovial joints with examples.
3. Explain the factors affecting enzyme activity.

II. Write Notes on:

(8 x 5 = 40)

1. Describe the different types of muscle fibres.
2. Cell organelles.
3. Cross section of the spinal cord.
4. Gross anatomy of thyroid gland.
5. Coronary circulation.
6. Blood supply of kidneys.
7. Parts of cerebellum.
8. Regulation of calcium homeostasis.

III. Short Answers on:

(10 x 3 = 30)

1. Physiological buffers present in our body.
2. How are fatty acids classified? Give examples.
3. Describe the function of vitamin K in our body.
4. Factors affecting basal metabolic rate.
5. Anion gap and its importance.
6. List three secretions of the islets of pancreas.
7. Define coronal plane.
8. Define a tissue. List two tissue types.
9. List the coverings of the lung.
10. List the layers of the heart wall.
