

**B.Sc. CRITICAL CARE TECHNOLOGY**

(New syllabus 2015-2016)

**FIRST YEAR**

**PAPER I – ANATOMY & BIOCHEMISTRY**

*Q.P. Code: 801231*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. With a neat labelled diagram explain about animal cell.
2. Describe the heart under the following headings:-
  - a) Border & surface
  - b) External features
  - c) Chambers
  - d) Valves and nerve supply
3. Write the classification of enzyme and factors affecting enzyme activity.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Parasympathetic nervous system.
2. Bronchial circulation.
3. Features and types of synovial joints.
4. Muscles of pharynx.
5. Functions of lipoproteins.
6. Functions of Vitamin - D.
7. Thyroid gland.
8. Explain the parts of long bone.

**III. Short answers on:**

**(10 x 3 = 30)**

1. List out pituitary hormones.
2. Name the coverage of kidney.
3. What is femur?
4. Role of cerebrospinal fluid.
5. Name the carpal bones.
6. Benedict's test.
7. Basal metabolic rate.
8. What are buffers?
9. Essential amino acids.
10. Name the endocrine glands.

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