

[LJ 0816]

AUGUST 2016

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. Explain blood supply of brain in detail with suitable diagrams. Add a note on Circle of Willis.
2. Write in detail about the measurements, structure, relations and applied anatomy of Trachea.
3. Enumerate the energetics and regulation of Glycolysis.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Ligaments of Liver.
2. Common Carotid Artery.
3. Citric Acid Cycle.
4. Adrenal Gland.
5. Basal Metabolic Rate.
6. Electrophoresis.
7. Bronchopulmonary segments of lung.
8. Features and types of Synovial joint.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. What is winging of scapula?
2. Give the functional classification of proteins.
3. What is chromatolysis?
4. Name the structures forming Waldeyer's ring.
5. What are surfactants? Give its functions.
6. Write the functions of Bile.
7. Name the coverings of Kidney.
8. What is the role of cerebrospinal fluid?
9. Name the arteries supplying thyroid gland.
10. What is Pellagra?

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