

[LN 0818]

AUGUST 2018

Sub. Code: 1232

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2015-2016)
FIRST YEAR
Paper II – PHYSIOLOGY AND BASIC PHYSICS

Q.P Code : 801232

Time : Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Cardiac cycle. Explain the events in different phases of cycle with illustrative diagram.
2. Describe the transport of carbon-di-oxide in the blood. Add a note on types of hypoxia.
3. Write in detail the mechanism of urine formation.

II. Write Notes on:

(8 x 5 = 40)

1. Rh factor and Erythroblastosis fetalis.
2. Digestion of Carbohydrate.
3. Glucose homeostasis.
4. Spermatogenesis.
5. Conducting system of heart.
6. Lung volumes and capacity.
7. Cerebrospinal fluid (CSF).
8. Pupillary light reflex.

III. Short Answers on:

(10 x 3 = 30)

1. Endocytosis and exocytosis.
2. Functions of plasma proteins.
3. ESR.
4. Any 3 Pulmonary function tests.
5. Respiratory acidosis.
6. ABG (arterial blood gases).
7. Functions of bile.
8. Heart rate.
9. Functions of oxytocin.
10. Cretinism.
