

[LP 0819]

AUGUST 2019

Sub. Code: 1242

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2018-2019)
FIRST YEAR
Paper II – PHYSIOLOGY AND BASIC PHYSICS

Q.P Code: 801242

Time : Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail about the regulation of blood pressure and factors maintaining it.
2. Write about the chemical and neural regulation of respiration.
3. Name the hormones secreted by thyroid gland and its functions.

II. Write Notes on:

(8 x 5 = 40)

1. Functions of cerebrospinal fluid.
2. Explain the three states of matter.
3. Ovulation.
4. Maturation.
5. Functions of white blood cells.
6. Describe the principles that govern the fluid dynamics.
7. Acid base balance.
8. Electrocardiogram.

III. Short Answers on:

(10 x 3 = 30)

1. Define Hemostasis.
2. Mention the bleeding disorders.
3. Functions of kidney.
4. Glomerular filtration Rate.
5. Mention the functions of saliva.
6. Name the ocular muscles.
7. Milk ejection reflex.
8. Define ECG and write about ECG leads.
9. Define Dead space.
10. Diabetes Mellitus.
