

[LJ 0816]

AUGUST 2016

Sub. Code: 1051

DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2015-2016)

FIRST YEAR

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 841051

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. What is leucopoiesis? Describe the stages of leucopoiesis and its regulation with salient features.
2. Draw a neat labelled diagram of respiratory system. Write in detail about lungs
3. Classify proteins. Write in detail about the functions of proteins. Add a note on protein deficiency.

II. Write notes on:

(10 x 5 = 50)

1. Stomach.
2. Cerebellum.
3. Femur.
4. Left ventricle of heart.
5. Basal Metabolic Rate.
6. Calcium.
7. Fat soluble vitamins.
8. Simple lipids.
9. Functions of Red Blood Cells.
10. ABO Blood grouping.

III. Short answers on:

(10 x 2 = 20)

1. What are the major forms of plasma proteins?
2. Enumerate the chambers in heart.
3. Name any two cranial nerves.
4. Enumerate the lobes in right lung.
5. Define anatomical position.
6. Name any two bones present in head and neck.
7. Name any two enzymes involved in glycolysis.
8. Give two examples of phospholipids.
9. Name any two diseases related to the deficiency of water soluble vitamins.
10. Name any two hazards of mismatched blood transfusion.
