

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. Draw a neat labelled diagram of heart. Write in detail about the chambers of heart.
2. What is Erythropoiesis? Describe the stages of Erythropoiesis. Add a note on erythropoietin.
3. Classify lipids. Write in detail about the functions of lipids. Add a note on diseases related to its deficiency.

II. Write notes on:

(10 x 5 = 50)

1. Functions of cerebrum.
2. Trachea.
3. Humerus.
4. Broncho pulmonary segments of lung.
5. Plasma proteins.
6. Various types of leucocytes and their functions.
7. Structure and functions of cell organelles.
8. Phosphorus.
9. Fat soluble vitamins.
10. Monosaccharides.

III. Short answers on:

(10 x 2 = 20)

1. Enumerate the major blood groups.
2. Give the normal values of haemoglobin in adult and new born.
3. Define haemostasis.
4. Name any two bones of lower limb.
5. Name any two organs related to digestive system.
6. Enumerate the muscles present in the intercostal space.
7. Write a short note on ESR
8. Name any two functions of proteins.
9. Enumerate fat soluble vitamins.
10. Name any two diseases caused by deficiency of proteins.