

B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
(New Syllabus 2015-2016)

FIRST YEAR

PAPER I – APPLIED BASIC SCIENCE

Q.P. Code: 801116

Time : Three Hours

Maximum : 100 Marks

Answer All Questions.

I. Elaborate on:

(3 x 10 = 30)

1. With the help of a diagram describe the structure of an animal cell.
2. Name the 2 types of diabetes mellitus. Describe briefly their pathogenesis, clinical features and laboratory investigations.
3. With the help of a labelled diagram write about the heart under the following headings
(a) external features (b) coverings (c) arterial supply and d) innervation

II. Write notes on:

(8 x 5 = 40)

1. Describe the structure of an RBC. Where is it produced in the body? What are its functions?
2. List the functions of the kidney.
3. What is a buffer? Describe briefly the buffer systems in the body.
4. Functions of CSF.
5. Cartilaginous joints.
6. General features of inflammation.
7. Intercostal space.
8. Internal features of the urinary bladder.

III. Short Answers on:

(10 x 3 = 30)

1. Anatomical position.
2. Coronal plane.
3. Parts of the sternum.
4. Define a bronchopulmonary segment.
5. Exocytosis.
6. Waves of Electro cardiogram.
7. List two functions of thyroid hormones.
8. Three functions of Vitamin C.
9. Types of White blood cells.
10. Universal recipient.
