

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2014-2015 & 2015-2016)

SECOND YEAR

Paper I – APPLIED ANATOMY AND PHYSIOLOGY

Q.P Code : 801216

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw a labeled diagram of circle of Willis. Describe the flow of cerebrospinal fluid. Describe the factors responsible for maintenance of intracranial tension.
2. Describe in detail the blood supply of the heart.
3. Describe oxygen transport. Explain the factors affecting oxygen transport. Add a note on oxygen dissociation curve.

II. Write Notes on:

(8 x 5 = 40)

1. Intercostal muscles.
2. Piriform fossa.
3. Urinary bladder.
4. Pain pathway.
5. Chemical control of respiration.
6. Conduction system of heart.
7. Accommodation reflex.
8. Selection and establishing an artificial airway.

III. Short Answers on:

(10 x 3 = 30)

1. Bicuspid valve.
2. Typical rib.
3. Parasympathetic nervous system.
4. Superior vena cava.
5. Suprarenal gland.
6. Dead space.
7. Vital capacity.
8. Gag reflex.
9. Brain death.
10. Pneumonia.
