[LI 0216]　　　　　　　**FEBRUARY 2016**　　　　　**Sub.Code :1207**

B.Sc. CRITICAL CARE TECHNOLOGY
FIRST YEAR
Paper II – PHYSIOLOGY AND BASIC PHYSICS

Q.P Code : 801207

Time : Three Hours　　　　　　　　　　　　**Maximum : 100 Marks**

Answer All Questions

I. Elaborate on:　　　　　　　　　　　　　　　　**(3 x 10 = 30)**

1. Write in detail about cerebrospinal fluid and its circulation with functions.
2. Explain the events of cardiac cycle in detail.
3. Describe the fluid dynamics.

II. Write Notes on:　　　　　　　　　　　　　　　**(8 x 5 = 40)**

1. Methods of oxygen transport.
2. Visual pathway.
3. Erythroblastosis foetalis.
4. Function of cerebellum.
5. Arrythmia.
6. Fluid resistances.
7. Functions of gall bladder.
8. Characteristics of medical gases.

III. Short Answers on:　　　　　　　　　　　　　**(10 x 3 = 30)**

1. Define blood pressure.
2. Vital capacity.
3. Leukopenia.
4. Blind spot.
5. Atrophy.
6. Sickle cell anemia.
7. Name the auscultatory area.
8. Humidity.
9. Blood groups.
10. Master alarm system.

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