

[LQ 1232]

FEBRUARY 2020

Sub.Code :1232

**FIRST B.H.M.S. DEGREE EXAMINATION****PAPER V – PHYSIOLOGY - I***Q.P. Code : 581232***Time: Three Hours****Maximum : 100 Marks**

**Answer All questions**  
**Draw diagram wherever necessary**

**I. Essay Questions:****(2 x 15 = 30)**

1. Define Cardiac output, explain in detail about the normal values and factors controlling Cardiac output.
2. Explain in detail about the oxygen transport with reference to the oxygen – Hemoglobin dissociation curve and Bohr Effect.

**II. Write Notes on:****(10 x 5 = 50)**

1. Diffusion and its characteristics.
2. Functions of mitochondria.
3. Write note on acidosis.
4. Properties of smooth muscles and cardiac muscles.
5. What is Acclimatization?
6. Valves of the heart.
7. Blood coagulation factors.
8. Olfactory receptors.
9. Functions of kidney.
10. Pyrexia – Physiological responses.

**III. Short Answers on:****(10 x 2 = 20)**

1. Functions of lymph.
2. Fixed Reticulo – Endothelial cells.
3. Light adaptation.
4. What is surfactant?
5. What is sebaceous gland?
6. Crystalline lens.
7. Donnan equilibrium.
8. Hematocrit values.
9. Dead space air.
10. Vagal tone.

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