

[LL 121]

OCTOBER 2017

Sub. Code: 2018

**M.D. DEGREE EXAMINATION  
BRANCH V – PHYSIOLOGY**

**PAPER I – GENERAL PHYSIOLOGY, BLOOD, DIGESTION AND  
TISSUES OF THE BODY**

*Q.P. Code :202018*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 10 = 20)**

1. Write an essay on Hemostasis. Add a note on Disseminated Intravascular Coagulation.
2. Describe the Motor Functions of Stomach. Add a note on Hunger contractions.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Facilitated Diffusion.
2. Local Potential.
3. Lambert – Eaton Myasthenic Syndrome.
4. Oxygen Debt.
5. Cell Mediated Immunity.
6. Red Blood Cell Indices and their clinical significance.
7. Regulation of Salivary Secretion.
8. Secretin.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Postoperative Adynamic ileus.
2. Celiac disease patients must avoid Wheat.
3. In Erythroblastosis fetalis, Exchange transfusion is done with Rh Negative blood.
4. Which ion is the Prime determinant of Resting Membrane Potential? Give reason.

**IV. Very Short Questions:**

**(10 x 2 = 20)**

1. Gain of Feedback control system.
2. Cytoskeleton.
3. All or None Law.
4. Differences between Fast and Slow muscle fibres.
5. Medicolegal significance of Rigor Mortis.
6. Plasticity of Smooth muscle.
7. Mast cells.
8. Choleretics.
9. Steatorrhea.
10. Aerophagia and Intestinal gas.

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