

[LI 121]

APRIL 2016

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 in detail about Acquired Immunity. Add a note on Autoimmunity.
2. What are the different stages of deglutition? What is the physiological significance of Lower Esophageal sphincter?

II. Short Questions: (8 x 5 = 40)

1. Neuromuscular blockers.
2. Theories of aging.
3. Basic electrical rhythm of gastrointestinal smooth muscle.
4. Positive feedback systems.
5. Reticulocyte response.
6. Physiological basis of diarrhoea.
7. Patch clamping.
8. Enterohepatic circulation.

III. Reasoning Out: (4 x 5 = 20)

1. Normocytic normo chromic anemia is common in chronic renal failure.
2. Enteric nervous system is called little brain in gut.
3. Blood exists as a fluid in blood vessels.
4. Cell membrane is a semi permeable membrane.

IV. Very Short Questions: (10 x 2 = 20)

1. Haptens.
2. Biopotential.
3. Cytokines.
4. Plasmin.
5. Colloid osmotic pressure.
6. H antigen.
7. Calmodulin.
8. Cytopempsis.
9. Kernicterus.
10. Cholecystokinin pancreozymin.
