March 2009

[KU 121] **Sub. Code: 2018**

M.D. DEGREE EXAMINATION

Branch V – PHYSIOLOGY
(Common to all candidates)

Paper I – GENERAL PHYSIOLOGY, BLOOD, DIGESTION AND TISSUES OF THE BODY
Q.P. Code : 202018

Time : Three hours **Maximum : 100 marks**

Draw suitable diagram wherever necessary.
Answer ALL questions.

I. Essay questions : **(2 x 20 = 40)**

1. Describe the structure of plasma membrane. Give an account of different transport mechanisms operating across it.

2. Discuss the secretory functions of the alimentary tract (Gastro Intestinal tract).

II. Write short notes on : **(10 x 6 = 60)**

1. Rh- Incompatibility.
2. Cytokines.
3. Mast cells.
4. Plasminogen system.
5. Gastro intestinal motility.
6. Entero hepatic circulation.
7. Mal-absorption syndrome.
8. Bio potentials.
9. Muscle spindle.
10. Sarco tubular system in skeletal muscle.

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March 2010

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Q.P. Code : 202018

Time : Three hours **Maximum : 100 marks**

Draw suitable diagram wherever necessary.
Answer ALL questions.

I. Essay questions : **(2 x 20 = 40)**

1. Discuss the 'Homeostatic' mechanisms of the body.

2. Discuss the molecular basis of skeletal muscle contraction.

II. Write short notes on : **(10 x 6 = 60)**

1. Plasma membrane.
2. Neuro muscular blockers.
3. Obstructive jaundice.
4. Absorptive functions of small intestine.
5. Splanchinic circulation (Gastro Intestinal blood flow).
6. Enteric nervous system.
7. Cholecystography.
8. Reticulo endothelial system.
9. 'T' lymphocytes.
10. Anemias.

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