

**M.B.B.S. DEGREE EXAMINATION
FIRST YEAR
PAPER I – PHYSIOLOGY**

Q.P. Code: 526053

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQS)

Answer All Questions

I. Essay:

(2 x 15 = 30)

1. Describe the mechanism of secretion of Hydrochloric acid in the stomach. What are the factors regulating acid secretion? Add a note on peptic ulcer.
2. What is Erythropoiesis? Describe the stages and factors regulating Erythropoiesis. Add a note on Anaemias.

II. Write notes on:

(10 x 5 = 50)

1. Classify diuretics and write a note on their sites of action.
2. Draw a neat labeled diagram of neuro-muscular junction and explain the events in neuro-muscular transmission.
3. Movements of small intestine.
4. Actions of Parathormone.
5. Juxta Glomerular apparatus.
6. Fibrinolytic system.
7. Functions of Glucocorticoid.
8. Endometrial changes in menstrual cycle.
9. Active transport across cell membrane.
10. Digestion and absorption of fat.