

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

Q.P. Code: 526054

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQS)

Answer All Questions

I. Essay:

(2 x 15 = 30)

1. Discuss about transport of oxygen in blood. Draw and explain Oxygen – Hemoglobin dissociation curve. Add a note on significance of P₅₀.
2. Enumerate the Ascending tracts of Spinal cord. Explain in detail the pathway for pain. Add a note on Analgesic system.

II. Write notes on:

(10 x 5 = 50)

1. Dark Adaptation.
2. Baroreceptors.
3. Speech areas and Aphasia.
4. Physiological changes in human body during exercise.
5. Acclimatization at high altitude.
6. Functions of Hypothalamus.
7. Taste pathway.
8. Properties of Cardiac Muscle.
9. Hypoxia and its Types.
10. Otolith Organ.