

M.D. DEGREE EXAMINATION

BRANCH V – PHYSIOLOGY

PAPER III – NERVOUS SYSTEM AND SPECIAL SENSES

Q.P. Code :202020

Time : Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

1. Describe the nuclei afferent and efferent connections and functions of Hypothalamus. Add a note on the functions of limbic system.
2. Sound transmission through middle and internal ear. Add a note on Brainstem auditory evoked potentials.

II. Short notes:

(10 x 5 = 50)

1. Cicumventricular organs.
2. Demyelinating diseases.
3. Types of memory.
4. Pain perception.
5. Taste pathway.
6. Analysis of visual information pathways.
7. Hemianopia.
8. Tests for hearing.
9. Neuronal circuit of cerebellum.
10. Nerve Growth Factors.

III. Reasoning Out:

(4 x 5 = 20)

1. Mirror neurons.
2. Fibrillations and fasciculations.
3. Glutamate and neurotoxicity.
4. Horner syndrome.
