

March 2009

[KU 123]

Sub. Code: 2020

M.D. DEGREE EXAMINATION

**Branch V – PHYSIOLOGY
(Common to all candidates)**

Paper III – NERVOUS SYSTEM AND SPECIAL SENSES

Q.P. Code : 202020

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Describe the nuclei, afferent and efferent connections of basal ganglia.
Add a note on parkinsonism.
2. Discuss the 'Theories of Hearing'. Add a note on audiometry.

II. Write short notes on :

(10 x 6 = 60)

1. Reciprocal innervation.
2. Inverse stretch reflex.
3. Decerebrate rigidity.
4. split brain animal.
5. Experimental neurosis.
6. Opioid peptides.
7. Pain pathway and referred pain.
8. Theories of color vision.
9. Refractive errors.
10. Cochlear microphonics.

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Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Discuss the postural reflexes.
2. Describe the auditory pathway. Add a note on conductive deafness.

II. Write short notes on :

(10 x 6 = 60)

1. Prefrontal lobes.
2. EEG.
3. Ascending reticular activating system (ARAS).
4. Broca's area.
5. Reciprocal innervation.
6. Brown sequard syndrome.
7. Synaptic plasticity.
8. Taste pathway.
9. Theories of hearing.
10. Hemianopia.
