

[LQ 123]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2020

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 regulation of muscle tone and its disturbances in various neurological disorders (8+7=15)
2. Describe the various neurological mechanisms responsible for perception of colour vision

II. Short notes:

(10 x 5 = 50)

1. Babinsky's sign
2. Wernick's area
3. Axon reflex
4. Impedence matching in middle ear
5. Rapid eye movement sleep
6. Argyl Robertson's pupil
7. Organ of Corti.
8. Electroencephalogram
9. Auditory pathway and its disorders
10. Papez circuits and their clinical significances

III. Reasoning Out:

(4 x 5 = 20)

1. List the features of Parkinsonism. Explain the physiological basis of the drugs used in its treatment.
2. Explain the hyperphagia in Diabetes mellitus stressing the role of hypothalamus
3. Why visceral pain is poorly localised?
4. What is near point of vision? Why does it recede throughout life?
