

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0524]

MAY 2024

Sub. Code: 4049

M.D. DEGREE EXAMINATION

BRANCH XVIII – PSYCHIATRY

PAPER I – BASIC SCIENCES AS RELATED TO PSYCHIATRY

Q.P. Code: 204049

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the functional Neuroanatomy of Temporal lobe in detail.
2. Classical conditioning and Operant conditioning. Discuss their application in clinical setting with one example for each.

II. Write notes on:

(10 x 7 = 70)

1. Serotonin.
2. Rapid Eye Movement (REM) sleep.
3. Memory encoding, storage and retrieval.
4. Frontal lobe.
5. Shaping and modeling.
6. Analysis of Variance (ANOVA). Its role in research in behavioral Medicine.
7. Mature Defences.
8. GABA receptors.
9. Wechsler's Adult Intelligence Scale (WAIS).
10. Limbic system.
