

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

[MD 1025]

OCTOBER 2025

Sub. Code: 4098

M.D. DEGREE EXAMINATION

PSYCHIATRY

PAPER IV – RECENT ADVANCES IN PSYCHIATRY

Q.P. Code: 204098

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Elaborate on the recent epidemiological studies done in India. Critically evaluate the Government initiatives to address the treatment gap for mental disorders in India.
2. Describe the various physical treatment methods used in Psychiatry. Discuss in detail the indications, mechanism of action, procedure and complications of repetitive Transcranial Magnetic Stimulations (rTMS).

II. Write notes on:

(10 x 7 = 70)

1. Newer antidepressants.
2. Prescribing in Pregnancy and Lactation.
3. Hierarchical Taxonomy of Psychopathology (HiTOP).
4. Virtual reality for Agoraphobia.
5. Ethics in Psychiatry Research.
6. Mindfulness based Cognitive Behaviour Therapy (MbCBT).
7. Nanoparticle based drug delivery system.
8. Gut Brain Axis.
9. Endoxifen.
10. Precision Psychiatry.
