

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

[MD 0522]

MAY 2022

Sub. Code: 2066

**M.D. DEGREE EXAMINATION
BRANCH XVIII – PSYCHIATRY**

PAPER I – BASIC SCIENCES AS RELATED TO PSYCHIATRY
(INCLUDING NEURO ANATOMY, NEUROPHYSIOLOGY, NEUROCHEMISTRY,
BIOSTATISTICS, GENERAL PSYCHOLOGY, ABNORMAL PSYCHOLOGY, SOCIAL
PSYCHOLOGY, PSYCHOMETRY AND GENETICS AS RELATED TO PSYCHIATRY)

Q.P. Code: 202066

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the basal ganglia and its role in psychiatric disorders.
2. Enumerate the types of stress & its effect on the immune system & psychiatric disorders.

II. Write notes on: **(10 x 7 = 70)**

1. Endocannabinoids.
2. Neurosteroids.
3. Relationship between circadian rhythm & seasonal affective disorders.
4. Illness anorexia.
5. Psychogenic amnesia.
6. Frontal lobe contribution to memory.
7. Thalamocortical dysrhythmia syndrome.
8. Acculturative stress.
9. Carl Rogers.
10. Case control study.
