

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

[MD 1223]

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**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. Write in detail about the cerebellum, its connections, functions, and its importance in Psychiatry.
2. Write in detail about the classification of Pain. Enumerate Pain Receptors. Discuss Pain pathways and Association of Pain with Mental Illness.

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

1. Limbic system.
2. Neurotrophic factors.
3. Association fibres.
4. Evoked potentials.
5. Novel neurotransmitters.
6. Theories of intelligence.
7. Genetics of bipolar affective disorder.
8. Bystander effect.
9. Validity.
10. Erik Erikson.

\*\*\*\*\*