

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

[MD 0723]

**JULY 2023  
(MAY 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. Describe the Limbic system. Discuss its relevance to Psychiatry.
2. What do you understand by the term intelligence? Describe the one test commonly used for measuring intelligence which has been standardized for use in India.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Role of Culture in Psychiatry.
2. Piaget's stages of Intellectual Development.
3. Linkage analysis and relevance to Psychiatry.
4. Describe the Anatomy and Biochemistry of Dopamine synthesis and breakdown in the Brain.
5. Defense mechanisms.
6. Theories of Suicide.
7. 't' test in Statistical measurement.
8. Maslow's Hierarchy of Needs.
9. Aversive conditioning.
10. Effects of Sensory deprivation.

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