

**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. What are Neurotransmitters? Describe in detail about GABA and Glutamate neurotransmission.
2. Describe in detail about Jean Piaget`s stages of Cognitive development and their implications in psychiatry.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Wechsler Adult Intelligence Scale.
2. Group Dynamics.
3. Multifactor theories of Intelligence.
4. Substance P.
5. Locus Ceruleus.
6. Hypothalamo Pituitary Adrenal Axis.
7. Tests of Significance.
8. Inhibition.
9. Linkage Analysis.
10. MRI applications of Schizophrenia.

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