

(LC 172)

APRIL 2013

Sub. Code: 2066

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

**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:**

**(2X15=30)**

1. Describe the stages of cognitive development as described by Jean Piaget.
2. Elaborate on Electro Encephalogram and describe various EEG abnormalities seen in psychiatric disorders and their validity.

**II. Write notes on:**

**(10X7=70)**

1. Defense mechanisms involved in alcohol dependence and their application in planning the relapse prevention.
2. Applied Psychology of Cognitive dissonance.
3. Role of Self esteem in the development of personality and Psychopathology.
4. Major Principles of Pharmacodynamics and its relevance in clinical practice.
5. Applied statistics of Pearson correlation coefficient.
6. Synthesis of GABA and about GABA receptors, role of GABA in Psychopathology.
7. Psychoneuro immunology and its Relevance in various psychiatric disorders.
8. Contributions of Alfred Adler to Psychiatry.
9. Pseudo hallucination, differences between true hallucination and Pseudo hallucination and clinical applications.
10. Role of Sleep hygiene in the management of Insomnia.

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