

**PSYCHIATRY**  
PAPER – IV

PSY/J/15/39/IV

Time : 3 hours  
Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1.	a) Bio-psycho-social model of schizophrenia. b) Recent advances in genetics in aetiology of schizophrenia.	5+5
2.	a) Aetiology of depression in the background of Beck's cognitive psychology. b) "Mindfulness" therapy recently being practiced in depression.	6+4
3.	a) NMDA (N methyl D aspartate) receptors. b) Role of NMDA receptors in psychiatric illness.	4+6
4.	a) Circadian rhythm. b) Neuro-physiology of supra-chiasmatic nucleus. c) Relevance of few psychiatric disorders of circadian rhythm.	3+3+4
5.	a) Physiological mechanism of fMRI. b) Relevance of fMRI in various behavioral disorders.	5+5
6.	a) Manifestations of adult ADHD. b) How does it differ from childhood ADHD?	5+5
7.	a) Difference between Death & Dying. b) Stages of Death & Dying by Elizabeth Kühler Ross.	5+5
8.	a) Modern day psycho-surgery. b) Evaluating a patient with OCD for psycho-surgery.	5+5
9.	a) Compliance in psychiatric practice. b) Causes of poor compliance. c) Newer modalities of treatment available to improve compliance in schizophrenia.	3+3+4
10.	a) Psycho-neuro-endocrinology. b) Relevance to causation of depression on the basis of psycho-neuro-endocrinology.	5+5

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