PSYCHIATRY
PAPER – 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. 5+5
   b) Recent advances in genetics in aetiology of schizophrenia.

2. a) Aetiology of depression in the background of Beck’s cognitive psychology. 6+4
   b) “Mindfulness” therapy recently being practiced in depression.

3. a) NMDA (N methyl D aspartate) receptors. 4+6
   b) Role of NMDA receptors in psychiatric illness.

4. a) Circadian rhythm. 3+3+4
   b) Neuro-physiology of supra-chiasmatic nucleus.
   c) Relevance of few psychiatric disorders of circadian rhythm.

5. a) Physiological mechanism of fMRI. 5+5
   b) Relevance of fMRI in various behavioral disorders.

6. a) Manifestations of adult ADHD. 5+5
   b) How does it differ from childhood ADHD?

7. a) Difference between Death & Dying. 5+5
   b) Stages of Death & Dying by Elizabeth Kübler Ross.

8. a) Modern day psycho-surgery. 5+5
   b) Evaluating a patient with OCD for psycho-surgery.

9. a) Compliance in psychiatric practice. 3+3+4
   b) Causes of poor compliance.
   c) Newer modalities of treatment available to improve compliance in schizophrenia.

10. a) Psycho-neuro-endocrinology. 5+5
    b) Relevance to causation of depression on the basis of psycho-neuro-endocrinology.