

**PSYCHIATRY**

PAPER – I

PSY/APRIL/16/39/I

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) What is Evidence-based Medicine? 2+4+4  
b) What are the different kinds of evidence and their hierarchy?  
c) What are the applications of Evidence-based Medicine?
2. a) What do you understand by the self-actualization theory of Maslow? 7+3  
b) What are its implications in practice?
3. a) What are the principles of classifications in Psychiatry? 3+7  
b) Principles of contemporary classifications in psychiatry and its purpose.
4. What is genetic epidemiology? Describe three types of genetic studies related to it. 1+(3+3+3)
5. a) Define defense mechanism and its purposes. 3+7  
b) Defense mechanisms used in obsessive compulsive disorder.
6. a) Define grief, bereavement and mourning. 3+7  
b) Stages of grief.
7. Enumerate the functions of frontal lobe. Write the clinical features of frontal lobe syndromes. 4+6
8. a) Major dopaminergic pathways of human brain. 4+6  
b) Implications and relevance of dopamine in Psychiatry.
9. a) Differentiate between sensation and perception. 2+5+3  
b) Define hallucination and give its differentiations from normal percept.  
c) What is the clinical significance of pareidolia?
10. a) What are NMDA receptors? Describe their location and functions. 6+4  
b) What is their relevance to Schizophrenia?

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