

PSYCHIATRY**PAPER-I**Time: 3 hours
Max. Marks:100

PSY/J/19/39/I

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:

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| 1. What do you understand by the term population genetics?
What are the main methods of population genetics in Psychiatry? | 2+8 |
| 2. What is Neuroplasticity? Discuss applied aspects of neuroplasticity in Psychiatry. | 2+8 |
| 3. What is Emotional Intelligence? Describe the models of Emotional Intelligence. | 2+8 |
| 4. What is Endophenotype? Discuss the role of endophenotypes in Psychiatry. | 2+8 |
| 5. What is Analysis of Variance (ANOVA)? What are the types of ANOVA? Write about the applications of ANOVA in Psychiatry. | 2+2+6 |
| 6. Different stages of development of Erick Erickson. | 10 |
| 7. Reward Circuit of addiction. | 10 |
| 8. Define chemical neurotransmission. What are the classical criteria to define a neurotransmitter? How is it different from a neuromodulator? | 2+5+3 |
| 9. Define learning. Write briefly about the main tenets of different models of learning and their clinical applications. | 1+(6+3) |
| 10. Discuss the functional anatomy of hypothalamus and its role in psychiatric disorders. | 4+6 |
