

PSYCHIATRY**PAPER – IV**

PSY/D/17/39/IV

Time : 3 hours

Max. Marks : 100

IMPORTANT INSTRUCTIONS

- *This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.*
- *Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.*
- *Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.*
- *Answer sheet(s) of Part 'A' and Part 'B' are not to be tagged together.*
- *Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).*
- *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:

PART A

1. What is epigenesis? Describe briefly the basic principles of family studies, twin studies and adoption studies. 3+(3+2+2)
2. Define normality. Discuss the functional perspectives and different psycho analytic concepts of normality 2+(4+4)
3. What are pharmacogenomics and pharmacogenetics? What is relevance of pharmacogenetics in psychiatry? (2+2)+6
4. What are neuro fibrillary tangles? What are their components? Name the sites in brain where they can be seen. What is their clinical significance? 2+2+3+3
5. What is action potential? Describe the process with help of a diagram. How does action potential translate into chemical neuro-transmission? 2+5+3

P.T.O