

# National Board of Examinations

**Question Paper Name :** DNB Psychiatry Paper1  
**Subject Name :** DNB Psychiatry Paper1  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718737145 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

| Question Number | Answer to be attempted within | Question Number | Answer to be attempted within |
|-----------------|-------------------------------|-----------------|-------------------------------|
| Q. 1            | Page 1-5                      | Q. 6            | Page 26-30                    |
| Q. 2            | Page 6-10                     | Q. 7            | Page 31-35                    |
| Q. 3            | Page 11-15                    | Q. 8            | Page 36-40                    |
| Q. 4            | Page 16-20                    | Q. 9            | Page 41-45                    |
| Q. 5            | Page 21-25                    | Q. 10           | Page 46-50                    |

1. Describe the neuroanatomy and cellular organization of cerebral cortex. Describe its functional circuitry with a suitable diagram. [(3+3)+4]

**Question Number : 2 Question Id : 32718737146 Consider As Subjective : Yes**

Explain the genetic and environmental factors in neuropsychiatric diseases. [5+5]

**Question Number : 3 Question Id : 32718737147 Consider As Subjective : Yes**

Describe the synthesis, receptors and major pathways of glutamate in brain. [3+3+4]

**Question Number : 4 Question Id : 32718737148 Consider As Subjective : Yes**

Describe the synthesis, mechanism of action and neuropathological role of nitric oxide. [3+3+4]

**Question Number : 5 Question Id : 32718737149 Consider As Subjective : Yes**

Describe the biosynthesis, transmission and implications in psychiatric diagnosis of endocannabinoids. [2+3+5]

**Question Number : 6 Question Id : 32718737150 Consider As Subjective : Yes**

Describe the electrophysiological abnormalities in the following conditions.

- a) Schizophrenia. [3]
- b) Catatonia. [2]
- c) Obsessive compulsive disorder. [2]
- d) Delirium. [3]

**Question Number : 7 Question Id : 32718737151 Consider As Subjective : Yes**

Describe Piaget's theory and the various stages of cognitive development. [2+8]

**Question Number : 8 Question Id : 32718737152 Consider As Subjective : Yes**

Describe the role of the cortex in memory formation. Discuss about memory impairment in various psychiatric illnesses. [5+5]

**Question Number : 9 Question Id : 32718737153 Consider As Subjective : Yes**

What is the concept of self? Discuss its perspective in psychiatric disorders. [4+6]

**Question Number : 10 Question Id : 32718737154 Consider As Subjective : Yes**

Define stress. Discuss the neurobiology of stress. Critically evaluate the efficacy of different coping mechanisms in stress management. [2+3+5]