

National Board of Examinations

Question Paper Name :	DNB Psychiatry Paper4
Subject Name :	DNB Psychiatry Paper4
Creation Date :	2022-06-25 18:45:04
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Actual Answer Key :	No

DNB Psychiatry Paper4

Group Number :	1
Group Id :	3271871119
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Psychiatry Paper4

Section Id :	3271871122
Section Number :	1

Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271871126
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710242 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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. Discuss neuro-immune dysregulation on neuro-protection and neurotoxicity in psychiatric disorders and its relation to drug treatment. [5+5]

Question Number : 2 Question Id : 32718710243 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss the disorders of memory and plasticity in psychiatric disorders. [5+5]

Question Number : 3 Question Id : 32718710244 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

- a) What are the characteristics of a neurotransmitter? [2]
- b) Enumerate some inhibitory neurotransmitters. [2]
- c) Discuss the role of oxytocin in the socioemotional brain and its implications for psychiatric disorders. [6]

Question Number : 4 Question Id : 32718710245 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Epigenetic signalling in psychiatric disorders and its implications in depression. [5+5]

Question Number : 5 Question Id : 32718710246 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What are the recent advancement in treatment of schizophrenia? [3]
- b) Discuss the use of proton magnetic resonance spectroscopy in the treatment of psychiatric disorders. [7]

Question Number : 6 Question Id : 32718710247 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss serotonin-related pathways and its relevance to psychiatric disorders. [5+5]

Question Number : 7 Question Id : 32718710248 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Genetic correlation, pleiotropy, and associations between substance use and psychiatric disorders. [10]

Question Number : 8 Question Id : 32718710249 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss the genetics and brain transcriptomics of completed suicide. [5+5]

Question Number : 9 Question Id : 32718710250 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Personality disorders at the interface of Psychiatry and the law - The legal use and clinical clarification. [5+5]

Question Number : 10 Question Id : 32718710251 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What is 7T ultra-high-field neuro imaging? [3]
- b) Discuss structural neuroimaging and its relevance in clinical psychiatry. [4]
- c) Enumerate different parts of hippocampus. [3]