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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PSYCHIATRY) DEGREE EXAMINATION – JANUARY 2025
(REGULAR)
PAPER I

Tuesday, January 14, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Essays:**

1. Describe the structural and functional organization of the prefrontal cortex in humans. Discuss the impact of frontal lobe damage on personality and behaviour.
(20 marks)

2. Discuss the key features of the Rorschach Inkblot Test, its administration, interpretation, and its use in clinical practice.
(20 marks)

3. **Short notes:**

3A. Role of epigenetics in the development of psychiatric disorders.

3B. Significance of cohort studies in understanding risk factors for psychiatric disorders.

3C. Discuss the stages of brain development.

3D. Discuss the synthesis, release, and reuptake of dopamine in human brain.

3E. Discuss the significance of classical conditioning and operant conditioning

3F. Mechanisms of action of lithium in treatment of bipolar disorder

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PSYCHIATRY) DEGREE EXAMINATION – JANUARY 2025
(REGULAR)
PAPER II

Wednesday, January 15, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL questions.**

 **Essays:**

1. Discuss the approach to assessment and management of a 30-year-old female with treatment resistant OCD. (20 marks)

2. Discuss the neurobiological underpinnings of schizophrenia. (20 marks)

3. **Short notes:**

3A. Considerations during prescribing psychotropic medications in pregnancy.

3B. Mindfulness-based interventions in the treatment of anxiety disorders.

3C. Pharmacotherapy of relapse prevention in alcohol use disorder.

3D. Aetiology and clinical features of narcolepsy

3E. Describe rating scales for assessment of catatonia.

3F. Pathological gambling as a psychiatric disorder.

(10 marks × 6 = 60 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PSYCHIATRY) DEGREE EXAMINATION – JANUARY 2025
(REGULAR)
PAPER III

Thursday, January 16, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL questions.**

 **Essays:**

1. Discuss the pathophysiology and clinical features of autism spectrum disorders. Critically evaluate the assessment tools for autism spectrum disorders.
(20 marks)

2. Discuss the principles of pharmacotherapy in older adults. Describe the cholinesterase inhibitors.
(20 marks)

3. **Short notes:**

3A. Discuss a plan to develop and evaluate a suicide prevention strategy in the community.

3B. Clinical features and management of tardive dyskinesia.

3C. Discuss the ethical principles in psychiatric research.

3D. Describe the characteristics of childhood bipolar disorder.

3E. Discuss the psychological theories of depression.

3F. Critically evaluate supported admission under the Mental Health Care Act 2017

(10 marks × 6 = 60 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PSYCHIATRY) DEGREE EXAMINATION – JANUARY 2025
(REGULAR)
PAPER IV

Friday, January 17, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Essays:**

1. Discuss the occurrence, neurobiology, psychology, and implications of placebo effect in clinical practice.
(20 marks)

2. Discuss the types of head injury, clinical assessment, and short- and long-term neuropsychiatric sequelae.
(20 marks)

3. **Short notes:**

3A. Concept and clinical implications of secondary mania.

3B. Ethical considerations in the use of technology in mental health care.

3C. Significance of the neurodiversity movement in psychiatric care.

3D. Psychological aspects of bronchial asthma.

3E. Differential diagnosis of pseudodementia.

3F. Pharmacotherapy of diabetes mellitus.

(10 marks × 6 = 60 marks)

