

Reg. No.

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PSYCHIATRY) DEGREE EXAMINATION – MAY 2021**

**PAPER I**

Monday, May 03, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essays:**

1. Discuss the 'Attribution theory' and its implications to clinical psychiatry. (15 marks)

2. Discuss the anatomical, chemical and evolutionary basis of 'Anxiety'. (15 marks)

3. **Short notes:**

3A. Traditional Indian concepts of mental health and morbidity.

3B. Transference and counter transference.

3C. Analysis of variance.

3D. Methods of reinforcement and punishment in operant conditioning and their applications in psychiatry.

3E. Instruments to assess Quality of life.

3F. Simple sequence repeats (microsatellites).

3G. Dexamethasone suppression test.

3H. Structure, connections and functions of the Pituitary and the tubero-infundibular system.

3I. Harlow's monkeys and the theoretical derivation of human behaviour.

3J. Define intelligence. Describe the Binet-Kamat test.

(7 marks × 10 = 70 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PSYCHIATRY) DEGREE EXAMINATION – MAY 2021**

**PAPER II**

Tuesday, May 04, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

---

✍ **Answer ALL the questions.**

✍ **Essays:**

1. Describe the prevalence of Depression across age ranges. Discuss the psychosocial theories of Depression.

(15 marks)

2. Critically evaluate the statement: 'Psychosocial factors alter the incidence, prevalence, course and symptomatology of PTSD'.

(15 marks)

3. **Short notes:**

3A. Clinical features and management of Somatisation disorder.

3B. Management of Cocaine use disorders.

3C. Prediction of outcome and treatment response in schizophrenia.

3D. Genetics, clinical features and management of Seasonal affective disorders.

3E. Clinical features and management of Premenstrual syndrome (PMS).

3F. Psychoanalytic and learning theories of OCD.

3G. Clinical features and possible management of Pyromania.

3H. Transport carriers and active transport pumps in the neuron.

3I. Clinical features, comorbidities and management of pathological gambling.

3J. Describe the concepts of 'Pathways to care' and its relevance to Psychiatry.

(7 marks × 10 = 70 marks)





**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PSYCHIATRY) DEGREE EXAMINATION – MAY 2021**

**PAPER III**

Wednesday, May 05, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essays:**

1. Discuss the evolution of 'Community management' of severe mental disorders over time. Critically evaluate its relevance and economics in the Indian setting.

(15 marks)

2. Discuss the aetiological hypotheses of scholastic backwardness and elucidate a comprehensive evaluation plan for a child presenting with it.

(15 marks)

3. **Short notes:**

3A. Relevance of 'Nitric oxide' in psychiatry.

3B. Rationale for combining psychological and pharmacological interventions in Depression and Anxiety disorders.

3C. Concept and uses of Partial hospitalisation in Psychiatry.

3D. Discuss 'Mens Rea'.

3E. Pharmacology, uses and adverse effects of Sertindole.

3F. Describe the 'Serotonergic syndrome' and its management.

3G. Describe the comorbidities associated often with Autism (Pervasive developmental disorder). Describe their impact on the treatment of Autism.

3H. Describe the long term psychological consequences of childhood sexual abuse.

3I. Clinical features, course and management of conduct disorder.

3J. Discuss the principles and effectiveness of 'Alcoholics Anonymous'.

(7 marks × 10 = 70 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PSYCHIATRY) DEGREE EXAMINATION – MAY 2021**  
**PAPER IV**

Thursday, May 06, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essays:**

1. Discuss the historical and theoretical basis of psychosomatic disorders. Describe the effects of psychological factors on the human immune response with pathophysiological examples.  
(15 marks)
2. Discuss the psychiatric manifestations of different endocrinopathies and their management.  
(15 marks)

3. **Short notes:**

- 3A. Neurological disorders associated with chronic alcohol use and their treatment.
- 3B. Discuss the differential diagnosis and assessment of a patient presenting with ataxic gait.
- 3C. Semantic Pragmatic language disorder.
- 3D. Pathophysiology of Alzheimer's disease.
- 3E. Clinical features, investigational findings and management of Normal Pressure Hydrocephalus.
- 3F. Describe the inheritance patterns and clinical features of muscle dystrophies.
- 3G. Describe the pain pathways and modern managements of different types of pain.
- 3H. Segmental dystonias and their treatment.
- 3I. Aetiology, clinical features and management of Subacute sclerosing panencephalitis.
- 3J. Aetiology, clinical features and management of hepatic encephalopathy.

(7 marks × 10 = 70 marks)

