

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PSYCHIATRY) DEGREE EXAMINATION – APRIL 2022

PAPER I

Friday, April 01, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essays:**

1. Write an essay on the uses and limitations of neuropsychological testing in psychiatry. (15 marks)

2. Describe any one neuropsychological battery in detail. (15 marks)

3. **Short notes:**

3A. The Bhagavadgita as a setting and process of psychotherapy

3B. Theoretical contributions of Karen Horney

3C. Structure and uses of the Minnesota Multiphasic Personality Inventory

3D. Learned helplessness

3E. Hospital Anxiety Depression Scale

3F. Second messenger systems

3G. Dopaminergic pathways in the brain. (with diagram)

3H. Nucleus and course of the 7th cranial nerve (with diagrams)

3I. LOD score and its interpretation

3J. Synaptic pruning and its relevance to psychiatric disorders

(7 marks × 10 = 70 marks)



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PAPER II

Saturday, April 02, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Essays:**

1. 'First episode schizophrenia is increasingly seen as an area of renewed research interest'. Discuss why this is so and the findings so far.

(15 marks)
2. Discuss the nosological status of GAD and its overlap with other anxiety disorders. Discuss the non pharmacological management of GAD.

(15 marks)

3. **Short notes:**

- 3A. Behaviour therapy in Tic disorders
- 3B. Types of pseudo dementia, their clinical features and clinical implications
- 3C. Factors affecting recurrences and outcome of Depression
- 3D. Evaluation of 'Day time drowsiness'
- 3E. Presentation, aetiology and management of factitious disorders
- 3F. Clinical features. Comorbidities and management of Depressive personality disorder
- 3G. Relevance of 'Chronobiology' to psychiatry
- 3H. Psychotherapy in the management of Bipolar disorders
- 3I. Group therapy in substance use disorders
- 3J. Online therapies- techniques and efficacy

(7 marks × 10 = 70 marks)



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PAPER III

Monday, April 04, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Essays:**

1. Describe the theoretical models for understanding somatoform disorders and psychosocial interventions for these conditions.
(15 marks)

2. Describe the research evidence of comparative effectiveness and adverse effects of drug therapies and regimes of ADHD.
(15 marks)

3. **Short notes:**

3A. Principles and uses of 'Counselling'.

3B. Theoretical basis and uses of Hypnosis.

3C. Issues and methods of Social rehabilitation in chronic psychoses.

3D. Describe the provisions of 'The persons with Disabilities Act, 1995'.

3E. Mood stabiliser treatment in breast feeding mothers.

3F. Pharmacology, uses and adverse effects of Aripiprazole.

3G. A girl aged 16 yrs doing her PUC presented with episodic severe headaches lasting for half to one hour causing profound disruption in her studies, occurring only at home (often late at night affecting her sleep) since the past 6 months. She also has daytime drowsiness interfering with her college work and threatening her academic progress which she and her parents find distressing. She has reported sexual abuse by a relative six months ago to her mother, others are unaware of this. Temperamentally she is described as quite stable and easy to get along with. At home the relations between her mother and her grandparents are troubled. Her mother also has headaches of a migrainous type for several years. Make a psychosocial formulation and management plan for her.

3H. Aetiopathology and management of functional enuresis in children.

3I. Rett's syndrome: clinical features and management.

3J. Discuss the statement giving appropriate evidence "Antidepressants increase the suicidal risk among adolescents"

(7 marks × 10 = 70 marks)



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PAPER IV

Tuesday, April 05, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essays:

1. Describe the aetiology, pathology, clinical manifestations, course, prognosis and management of Wilson's disease.

(15 marks)

2. Discuss the effects of psychological factors on the heart and heart disease risk.

(15 marks)

3. Short notes:

3A. Neuroanatomical localisation and clinical assessment of 'Aphasias'.

3B. Clinical features and management of Syringomyelia.

3C. Aetiology, clinical features and management of Myasthenia Gravis.

3D. Neuropsychiatric manifestations and management of B12 deficiency.

3E. Classify epilepsy. Discuss etiology, clinical features and management of absence seizures.

3F. Pharmacology, uses and adverse effects of St. John's Wort.

3G. Imaging studies and the findings of the 'functional neuroanatomy of Psychotherapy'.

3H. Psychiatric issues related to infertility.

3I. Psychiatric comorbidities in metabolic syndrome.

3J. Management of a child victim of bullying.

(7 marks × 10 = 70 marks)

