

MANIPAL UNIVERSITY**MD (PSYCHIATRY) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER I: BASIC SCIENCES AS RELATED TO PSYCHIATRY**

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays.**

1. Define and classify 'stress'. Discuss the role of psychosocial factors in 'coping with stress'.
(15 marks)

2. Describe the locations, structures and functions of the 'Association areas' of the brain (with diagrams).
(15 marks)

3. Write short notes on :

3A. Psychosocial issues relating to Marriage and Mental health

3B. The role of 'Anxiety' in symptom formation according to psychoanalytic theory

3C. Survival analysis

3D. Creative thinking

3E. Semi structured diagnostic interviews in psychiatry – advantages and disadvantages

3F. Single Nucleotide Polymorphisms

3G. Hypothalamo-pituitary-gonadal axis

3H. Structure, connections and functions of the Prefrontal cortex

3I. Changes in sleep pattern across age

3J. Attribution theories

(7×10 = 70 marks)



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MD (PSYCHIATRY) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER II: CLINICAL PSYCHIATRY

Wednesday, April 02, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays.**

1. Discuss the evolution of the concept of schizoaffective disorders and describe its current position in nosology.

(15 marks)

2. Describe the prevalence, presentation, putative aetiologies, management, course and outcomes of post partum psychological reactions and psychiatric disorders.

(15 marks)

3. **Write short notes on :**

3A. The National Comorbidity Survey (NCS)

3B. Psychiatric disorders associated with Cannabis use

3C. Statistical methods used in the classification of Depression with case examples

3D. Genetics of Bipolar disorders

3E. Aetiopathology of PTSD

3F. Clinical features, comorbidities and management of Schizoid personality disorder

3G. Comprehensive management of Dysthymia

3H. Explain 'gene expression' with examples from psychiatric disorders and drug treatments

3I. Discuss the various evidence based psychotherapies in management of bipolar disorder

3J. Discuss the course and outcome of OCD

(7×10 = 70 marks)

MANIPAL UNIVERSITY**MD (PSYCHIATRY) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER III: PSYCHIATRIC THEORY AND PSYCHIATRIC SPECIALTIES**

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays.**

1. Describe the psychological treatments for PTSD and evaluate their relative merits and demerits.

(15 marks)

2. Discuss the psychiatric sequelae of childhood sexual abuse and the evaluation of a victim.

(15 marks)

3. Write short notes on :

3A. Describe the role of psychosocial treatments in the management of Bipolar disorders.

3B. Procedure and efficacy of psychosurgery in Resistant Depression.

3C. Describe 'Gender issues' in psychiatry.

3D. Describe the McNaughten's rule and its implications.

3E. Aetiopathogenesis, presentation and management of drug induced Tardive Dyskinesia.

3F. Pharmacology, uses and adverse effects of Mixed Serotonin / Noradrenaline Antagonists.

3G. Aetiology, manifestations and management of Childhood disintegrative disorder.

3H. A 65 year old male of middle socioeconomic status has lost his spouse of long standing four days ago to a sudden and unexpected illness. He now lives alone in an isolated area with limited social supports. He also has physical illnesses which limit his mobility. There are no other caregivers. Discuss the psychosocial and psychiatric issues that are likely to arise and your detailed plan to comprehensively manage them.

3I. Elective mutism

3J. Pseudo dementia - evaluation and management.

(7×10 = 70 marks)



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MD (PSYCHIATRY) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER IV: NEUROLOGY AND GENERAL MEDICINE AS RELATED TO PSYCHIATRY

Friday, April 04, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays.**

1. Discuss the evidence for understanding schizophrenia as a dysexecutive state. (15 marks)

2. Describe the psychiatric disorders occurring with nutritional disturbances. (15 marks)

3. **Write short notes on :**

3A. Subacute sclerosing panencephalitis

3B. Treatment of status epilepticus

3C. Role of emotional factors in ischemic heart disease

3D. Psychological factors in Psoriasis

3E. Mild cognitive impairment and the link with Alzheimer's disease

3F. FMRI in psychiatry

3G. Risk factors for cerebrovascular accidents and their modification

3H. Babinski reflex and its interpretation

3I. Parkinson Plus syndromes

3J. Psychiatric issues among couple with infertility

(7×10 = 70 marks)

