

APRIL 1990

124

EXAMINATION FOR THE DIPLOMA IN PSYCHOLOGICAL
MEDICINE, APRIL 1990.

Part II

NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time: Three hours. Maximum: 50 marks.

Answer question number 4 and any other TWO.

1. Discuss the neuropathology, clinical manifestations and differential diagnosis of Alzheimer's Disease.
(10 marks)
2. A 30-year-old woman is brought to you with a history of headache of 2 months' duration. Discuss the differential diagnosis.
(10 marks)
3. Write an essay on basal ganglia disorders.
(10 marks)
4. Write short notes on any SIX of the following:
 - (a) Carbamazepine.
 - (b) Normal pressure hydrocephalus.
 - (c) Neuroleptic Malignant Syndrome.

(d) Disorders of Body Image associated with cerebral pathology.

(e) Hypoglycaemia.

(f) Psychiatric manifestations associated with AIDS.

(g) Organic delusional disorder.

(h) Pseudoseizures: (6 × 5 = 30 marks)

EXAMINATION FOR THE POST-GRADUATE DIPLOMA IN
PSYCHOLOGICAL MEDICINE (D.P.M.), SEPTEMBER 1990.

Part II

Paper I — NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours.

Maximum : 50 marks.

Answer Question 4 and any TWO from the remaining.

1. Discuss the neuropsychiatric manifestations associated with thyroid disorders. (10 marks)
 2. Give an account of multi-infarct dementia. (10 marks)
 3. Classify epilepsy and discuss psychiatric manifestations of epilepsy. (10 marks)
 4. Write short notes on :
 - (a) Dexamethasone Suppression Test.
 - (b) Management of Tardive dyskinesia.
 - (c) Neuropathology of Neurosyphilis.
 - (d) Acute Intermittent porphyria.
 - (e) Clonidine.
 - (f) Tourett's syndrome. (6 × 5 = 30 marks)
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OCTOBER 1991

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**EXAMINATION FOR THE POST-GRADUATE DIPLOMA
PSYCHOLOGICAL MEDICINE (D.P.M.), OCTOBER 1991.**

Part II

Paper I — NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours.

Maximum : 50 marks.

Answer ALL the questions.

1. Discuss the physiology and disorders of sleep.
(10 marks)
 2. Discuss Frontal Lobe Syndromes. (10 marks)
 3. Write short notes on :
 - (a) Complex partial seizures.
 - (b) Aphasias.
 - (c) Wernicke-Korsakoff syndrome.
 - (d) CT scan of head.
 - (e) Drug Induced Parkinsonism.(5 × 6 = 30 marks)
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[228]

APRIL 1992

EXAMINATION FOR THE POST-GRADUATE DIPLOMA IN
PSYCHOLOGICAL MEDICINE (D.P.M.), APRIL 1992.

Part II

Paper I — NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours.

Maximum : 50 marks.

Answer Question 4 and any TWO from the remaining.

1. Should the term 'Pre-senile Dementia' be retained still? Briefly substantiate your semantic position and discuss the aetiology, neuropathology, clinical features and management of Alzheimer's disease. (10 marks)

2. Classify abnormal involuntary movement disorders. Describe the different existing as well as emerging therapeutic strategies for management of Parkinson's disease. (10 marks)

3. Classify the causes of 'stroke in young'.

Give an account of post-stroke depression and its implications for research into neuroanatomy of melancholia.. (10 marks)

4. Write short notes on :

(a) Biogenic amines and probenecid test.

(b) Management of status epilepticus.

(c) Free radical scavengers.

(d) Neuroimaging techniques and their potential applications.

(e) Electroencephalography.

(f) Screening instruments for Dementias.

(6 × 5 = 30 marks)

NOVEMBER 1993

[PR 520]

DIPLOMA IN PSYCHOLOGICAL MEDICINE.

Part II — Paper I

NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Describe the Neurotransmitter basis of Schizophrenia.
(10)
 2. Describe structural and chemical changes occurring in Alzheimer's Dementia.
(10)
 3. Write short notes on :
(30)
 - (a) Co-transmitters.
 - (b) G-Proteins.
 - (c) Amyotrophic Lateral Sclerosis.
 - (d) Nitric Oxide.
 - (e) Free radicals.
 - (f) Dystrophin.
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APRIL 1994

[VM 1247]

DIPLOMA IN PSYCHOLOGICAL MEDICINE

(Old Regulation)

Part II

Paper I — NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Describe the organic basis of obsessive compulsive disorders. (10)
 2. Describe recent discoveries in Duchenne Muscular Dystrophy. (10)
 3. Write short notes on : (6 × 5 = 30)
 - (a) Role of Ca^{++} in Neural Transmission.
 - (b) Glutamate Receptors.
 - (c) Opioids.
 - (d) Thyroxine on Developing Brain.
 - (e) Myasthenia Gravis.
 - (f) Inositol Triphosphate.
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OCTOBER 1997

MS 338

DIPLOMA IN PSYCHOLOGICAL MEDICINE
(Old/New Regulations)

Part II

Paper I - NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time: Three hours

Max.marks:50

Answer All Questions

1. Discuss the biochemical aspects of mental retardation. (10)
 2. What is AIDS- dementia complex? What is its pathophysiology? Discuss investigatory tools available in AIDS. (10)
 3. Write briefly on:
 - (a) Newer anticonvulsants
 - (b) Acetyl choline
 - (c) Free radicals
 - (d) Biochemistry of Parkinsonism
 - (e) Western Aphasia Battery Scale
 - (f) Pharmacology of Nitrazepam.
- (6x5=30)

APRIL 1999

[SG 1546]

Sub. Code : 3058

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part II

**Paper I — NEUROLOGY WITH APPLIED
BIOCHEMISTRY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

- 1. Discuss the biochemical aspects of depression. (10)**
 - 2. How will you investigate a case of dementia. (10)**
 - 3. Write short notes on : (5 × 6 = 30)**
 - (a) Vigabatrin.**
 - (b) Dopamine.**
 - (c) Broca's Aphasia.**
 - (d) Pharmacology of phenytoin.**
 - (e) Hepatic encephalopathy.**
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SEPTEMBER 1999

[KA 1546]

Sub. Code : 3058

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part II

**Paper I — NEUROLOGY WITH APPLIED
BIOCHEMISTRY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Discuss the biochemical aspects of schizophrenia.
(10)
 2. How will you investigate a case of organic brain syndrome.
(10)
 3. Write short notes on : (6 × 5 = 30)
 - (a) Clobazam
 - (b) Acetylcholine
 - (c) Wernicke's aphasia
 - (d) Pharmacology of carbamazepine
 - (e) Non-convulsive status epilepticus
 - (f) Treatable dementias.
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APRIL 2000

[KB 1546]

Sub. Code : 3058

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part II

**Paper I — NEUROLOGY WITH APPLIED
BIOCHEMISTRY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. What is the anatomical substrate of speech and discuss the differentiation of different speech disorders?
(10)
 2. Discuss the different prion diseases. (10)
 3. Write short notes on : (6 × 5 = 30)
 - (a) Antioxidants
 - (b) Status epilepticus
 - (c) REM sleep
 - (d) Porphyria
 - (e) TIA
 - (f) MAO-B-inhibitors.
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SEPTEMBER 2000

[KC 1546]

Sub. Code : 3058

**DIPLOMA IN PSYCHOLOGICAL
MEDICINE EXAMINATION.**

(Old/New Regulations)

Part II

**Paper I — NEUROLOGY WITH APPLIED
BIOCHEMISTRY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Describe the toxic effects of alcohol on the nervous system. (10)
 2. Discuss the aetiology and management of progressive dementia in a fifty year old man. (10)
 3. Write short notes on : (6 × 5 = 30)
 - (a) Frontal lobe seizure
 - (b) L-Dopa
 - (c) Pseudo bulbar palsy
 - (d) Prosopagnosia
 - (e) Transient global amnesia
 - (f) Prolactinoma.
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