

APRIL 2001

[KD 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEUROANATOMY AND
NEUROPHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Name the parts of the limbic system. Discuss the role of hippocampus in memory. What are the main connections of the limbic system? (15)
 2. What are the parts of brain involved in speech? Discuss the physiology of cerebellum in speech and motor control. (15)
 3. Write short notes on : (4 × 5 = 20)
 - (a) Temporal lobe
 - (b) Hypothalamus
 - (c) Broca's area
 - (d) Muscle tone.
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NOVEMBER 2001

[KE 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEUROANATOMY AND
NEUROPHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Discuss the connections of cerebellum and its role in voluntary movement. (15)
 2. Discuss the functions of limbic system. (15)
 3. Write short notes on : (4 × 5 = 20)
 - (a) Memory
 - (b) Frontal lobe
 - (c) Amygdala
 - (d) Autonomic nervous system.
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MARCH 2002

[KG 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEUROANATOMY AND
NEUROPHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Discuss the neuroanatomy and neurophysiology of basal ganglia. (15)
 2. Discuss neurophysiology of sleep. (15)
 3. Write short notes on : (4 × 5 = 20)
 - (a) Visual cortex.
 - (b) Reticular formation.
 - (c) Synapse.
 - (d) Aging brain.
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SEPTEMBER 2002

[KH 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEURO ANATOMY AND
NEURO PHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Discuss the anatomical and physiological basis of various Alexias. (15)
 2. Discuss Neurophysiology of Pain. (15)
 3. Write short notes on : (4 × 5 = 20)
 - (a) Cerebral laterality.
 - (b) Internal capsule.
 - (c) Cerebrospinal fluid.
 - (d) Kindling phenomenon.
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MARCH 2003

[KI 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEUROANATOMY AND
NEUROPHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

Answer ALL questions.

1. Discuss the functional anatomy of the limbic system. (15)
 2. What is tone? How does spasticity differ from rigidity, clinically and electro physiologically? (15)
 3. Write short notes on : (4 × 5 = 20)
 - (a) Synapse
 - (b) Mamillary bodies
 - (c) Apraxia
 - (d) Applied anatomy of Cerebello-Pontaine Angle.
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SEPTEMBER 2003

[KJ 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(Old/New Regulations)

Part I

**Paper I — NEUROANATOMY AND
NEUROPHYSIOLOGY**

Time : Three hours

Maximum : 50 marks

**Theory : Two hours and
fifty minutes**

Theory : 40 marks

M.C.Q. : Ten minutes

M.C.Q. : 10 marks

**M.C.Q. must be answered SEPARATELY on the
answer sheet provided as per the instructions
on the first page of M.C.Q. Booklet.**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Essay :

1. Describe the physiology of sleep and sleep wake mechanisms and the EEG patterns on different stages of sleep. (15)

2. Write short notes on : (5 marks each)

- (1) Reticular formation.
- (2) Decerebrate rigidity.
- (3) Circadian rhythm.
- (4) Sham rage.

- (5) Discuss the anatomic and physiologic basis of addiction.

AUGUST 2004

[KL 1543]

Sub. Code : 3055

**DIPLOMA IN PSYCHOLOGICAL MEDICINE
EXAMINATION.**

(New Regulations)

Part II

Paper I — NEUROLOGY WITH APPLIED BIOCHEMISTRY

Time : Three hours **Maximum : 50 marks**

Theory : Two hours and fifty minutes	Theory : 40 marks
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M.C.Q. : Ten minutes **M.C.Q. : 10 marks**

Answer ALL questions.

I. Essay: (1 × 15 = 15)

(1) Classify and discuss the clinical features and Pathophysiology of "CONFUSIONAL STATE". (15)

II. Write short notes on : (5 × 5 = 25)

- (a) Wernickes aphasia.
- (b) Constructional apraxia.
- (c) Disconnection syndrome.
- (d) TIC.
- (e) Herpes simplex encephalitis.