

[LP 1019]

OCTOBER 2019

Sub. Code: 2021

M. Phil CLINICAL PSYCHOLOGY EXAMS
(Candidate admitted from 2017-2018 onwards)
SECOND YEAR
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR

Q.P. Code : 152021

Time : Three hours

Maximum : 70 Marks

I. Elaborate on: (1 x 20 = 20)

1. Discuss the functions of the temporal lobe. Describe the psychological tools used to measure the deficits of temporal lobe functions.

II. Write notes on: (2 x 10 = 20)

1. Role of limbic system.
2. Define attention and how is it assessed.

II. Write notes on: (6 x 5 = 30)

1. Neuropsychological rehabilitation.
2. Neurobiology of memory.
3. Corpus callosum.
4. Neuropsychology of acquired immunodeficiency syndrome.
5. Korsakoff syndrome.
6. Executive functions.

[LQ 1019]

NOVEMBER 2020
(MAY 2020 EXAM SESSION)
M. Phil CLINICAL PSYCHOLOGY
(Candidate admitted from 2017-2018 onwards)
SECOND YEAR
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR

Sub. Code: 2021

Q.P. Code : 152021

Time : Three hours

Maximum : 70 Marks

I. Elaborate on: **(1 x 20 = 20)**

1. The structure of cell and describe the role of neurotransmitters and neuromodulators in the human behavior.

II. Write notes on: **(2 x 10 = 20)**

1. The neuropsychological profile of cortical and subcortical dementia.
2. Structure and functions of temporal lobe

III. Write notes on: **(6 x 5 = 30)**

1. The scope and indication of neuropsychological assessments
2. Agnosia
3. Korsakoff syndrome
4. Thalamus and its role
5. Neurobiology of learning & memory
6. Resting potentials

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[AHS 0321]

MARCH 2021

Sub. Code: 2021

(OCTOBER 2020 EXAM SESSION)

M. Phil. CLINICAL PSYCHOLOGY

SECOND YEAR (From 2017-2018 onwards)

PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR

Q.P. Code : 152021

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(1 x 20 = 20)

1. The structure and functions of frontal lobe and enumerate the neuropsychological deficits associated with its lesions.

II. Write notes on:

(2 x 10 = 20)

1. Visual pathways
2. The role of limbic system in regulating the internal environment

III. Write notes on:

(6 x 5 = 30)

1. Cytoarchitecture and modular organization in the brain
2. Neurobiology of motivation
3. The endocrine glands & its functions
4. Neurofeedback and cognitive aids
5. Supporting cells and blood brain barrier
6. Neuropsychological assessment in children

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[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2021

**M. Phil. CLINICAL PSYCHOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR
Q.P. Code : 152021**

Time: Three hours

Answer ALL Questions

Maximum: 70 Marks

I. Elaborate on: (1 x 20 = 20)

1. The significance of the neuropsychological assessments and elucidate the principles, objectives and methods of neuro-rehabilitation of traumatic brain injury.

II. Write notes on: (2 x 10 = 20)

1. Psychological profile of Parkinson's disease and mood disorders
2. Functional human brain mapping

III. Write notes on: (6 x 5 = 30)

1. Huntington's disease
2. Brain metabolism
3. Neurobiology of sleep & wakefulness
4. Genetic aspects of mental retardation
5. Basal ganglia
6. Parietal lobe syndrome

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[AHS 1022]

OCTOBER 2022

Sub. Code: 2021

**M.Phil. CLINICAL PSYCHOLOGY
SECOND YEAR (From 2017-2018 batch onwards)
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR**

Q.P. Code : 152021

Time: Three hours

Answer ALL Questions

Maximum: 70 Marks

I. Elaborate on: **(1x20=20)**

1. Describe in detail about anatomy and functions of frontal lobe and its associated neuropsychological disturbances.

II. Write notes on: **(2x10=20)**

1. Temporal lobe syndrome.
2. Neuropsychological rehabilitation in major mental disorders.

III. Write notes on: **(6x5=30)**

1. Neurobiology of hunger and thirst.
2. Neurotransmitters in major mental disorders.
3. Blood Brain barrier.
4. Reward pathways in Brain.
5. Gerstmann syndrome.
6. Reticular formation and its functions.

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[AHS 0523]

MAY 2023

Sub. Code: 2021

**M.PHIL CLINICAL PSYCHOLOGY
SECOND YEAR (From 2017-2018 batch onwards)
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR**

Q.P. Code: 152021

Time: Three hours

Answer ALL Questions

Maximum: 70 Marks

I. Elaborate on:

(1x20=20)

1. Describe about neuropsychological profile of major mental disorders and explain the importance of neuropsychological rehabilitation in those disorders.

II. Write notes on:

(2x10=20)

1. Frontal lobe syndrome.
2. Neuropsychological assessments for temporal lobe lesion.

III. Write notes on:

(6x5=30)

1. Agnosia.
2. Neurological soft signs.
3. Computer based cognitive training.
4. Executive functions.
5. Lateralization of brain.
6. Neuromodulators.

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[AHS 1023]

OCTOBER 2023

Sub. Code: 2021

**M.PHIL. CLINICAL PSYCHOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR**

Q.P. Code: 152021

Time: Three hours

Answer ALL Questions

Maximum: 70 Marks

I. Elaborate on:

(1x20=20)

1. Discuss neuropsychology sequelae in head injury patients.

II. Write notes on:

(2x10=20)

1. Blood brain barrier.
2. Neglect.

III. Write notes on:

(6x5=30)

1. Hemispheric asymmetry.
2. Neurotransmitters.
3. Role of neuroplasticity in rehabilitation.
4. Neurocognitive deficits in korsakoff psychosis.
5. Corpus callosum.
6. Behavioural changes in temporal lobe epilepsy.

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[AHS 1025]

OCTOBER 2025

Sub. Code: 2021

**M.PHIL. CLINICAL PSYCHOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER I – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR**

Q.P. Code: 152021

Time: Three hours

Answer ALL Questions

Maximum: 70 Marks

I. Elaborate on:

(1x20=20)

1. Discuss the biological functions of sleep and its contribution in the health of an individual and its related disorders and the psychological tools used to assess.

II. Write notes on:

(2x10=20)

1. Functions of immune system and its role in health.
2. Localization and Lateralization of brain functions.

III. Write notes on:

(6x5=30)

1. Approaches of a Clinical Neuropsychologist.
2. Role of neurotransmitters in emotions.
3. Disturbances in learning and its related areas.
4. Types of agnosias in detail.
5. Neuropsychological profile of cortical and subcortical dementia.
6. Neurofeedback therapy.
