

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – APPLIED PSYCHOLOGY

NEURO PSYCHOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Which provides cushion and nutrients to the brain and spinal cord?
(i) Hormones (ii) Cerebrospinal liquid
(iii) Cerebrospinal Fluid (iv) Dopamine
- 2 Which part of the brain generates signal to direct the movement of the body?
(i) Prefrontal cortex (ii) Motor cortex
(iii) Broca's area (iv) Wernicke's area
- 3 When the patient points to the hip when asked to point their knee is an example of
(i) Body schema disorder (ii) Somato sensory confusion
(iii) Somato perceptual disorder (iv) Spatial orientation disorder
- 4 Name the structure which converts light energy into electrical potential for the brain to interpret
(i) Retina (ii) Visual cortex
(iii) Visual pathway (iv) Optic chiasm
- 5 Which imaging test reveals metabolic or biochemical function of tissues and organs?
(i) X-Ray (ii) MRI
(iii) EEG (iv) PET

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Explain the scope of neuropsychology.
OR
b Discuss about neuroplasticity.
- 7 a Explain Aphasia with its types.
OR
b Discuss about memory dysfunction.
- 8 a Explain the anatomical feature of parietal lobe.
OR
b Discuss about Gerstmann's syndrome.
- 9 a Discuss about visual agnosia.
OR
b Explain the signs and symptoms associated with Fragile X Syndrome.
- 10 a Elucidate the purpose of EEG.
OR
b Explain the purpose of Wechsler Memory Scale.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Draw a diagram of the brain and name the parts with its functions.
OR
b Compare the left and right hemisphere functioning of the brain.
- 12 a Evaluate the dysfunctions of the frontal lobe.
OR
b Elucidate seizures.
- 13 a Enumerate the anterior parietal lobe dysfunctions.
OR
b Explain disorders of spatial orientation, dyscalculia & dyslexia.
- 14 a Enumerate and explain visual pathway disorders.
OR
b Elucidate cerebral Palsy.
- 15 a Classify brain imaging techniques based on its functions.
OR
b Elucidate the subtests in the Luria-Nebraska Battery & Bender Gestalt test.

Z-Z-Z

END

PSG COLLEGE OF ARTS & SCIENCE
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MSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – APPLIED PSYCHOLOGY

HEALTH PSYCHOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

1. Which of the following lobe coordinates voluntary movement?
(i) Parietal lobe (ii) Frontal lobe
(iii) Temporal lobe (iv) Occipital lobe
2. Identify the auto immune disorder from the following
(i) Parkinson's disease (ii) Polio
(iii) Huntington's disease (iv) Multiple Sclerosis
3. Which among the following is also known as Serum hepatitis?
(i) Hepatitis A (ii) Hepatitis C
(iii) Hepatitis B (iv) Hepatitis D
4. Name the second stage in the course of infection
(i) Non specific symptoms (ii) Decline phase
(iii) Incubation period (iv) Acute Phase
5. Who among the following proposed the theory of planned behavior?
(i) Rosenstock (ii) Hochbaum
(iii) Ajzen (iv) Prohaska
6. Find out the stage in which the people are not aware that they have a problem.
(i) Contemplation (ii) Preparation
(iii) Action (iv) Pre contemplation
7. Which type of exercise improves the body's utilization of oxygen?
(i) Anaerobic (ii) Aerobic
(iii) Isokinetic (iv) Isotonic
8. Label the strong desire to engage in a behaviour
(i) Tolerance (ii) Withdrawal
(iii) Craving (iv) Addiction
9. Who was the first to describe the "fight or flight response"?
(i) Walter B. Cannon (ii) Sigmund Freud
(iii) Atkinson Potter (iv) Hans Selye
10. Identify the defense mechanism by which people avoid the implications of an illness.
(i) Denial (ii) Withdrawal
(iii) Repression (iv) Sublimation

Cont...

SECTION - B (35 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 7 = 35)

- 11 a Explain the Bio-Psycho-Social model of health.
OR
b Discuss about Immune system and its functioning.
- 12 a Summarize on Cognitive Behavioural Approach to health behavior.
OR
b Explain about Smoking, its interventions and prevention.
- 13 a Elucidate on Stress and General Adaption Syndrome.
OR
b Explain the sources of stress.
- 14 a Explain about the nature of patient – provider communication.
OR
b Briefly discuss about the types of chronic pain.
- 15 a Explain about Quality of life.
OR
b Discuss about the Psychological management of Terminally Ill.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Analyze the Need for Health Psychology.
- 17 Discuss in detail about Changing Health habits.
- 18 Describe Stress Management techniques.
- 19 Elucidate Pain Control Techniques.
- 20 Explain in detail about the Health Psychology trends for the future.

Z-Z-Z

END