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Certificate Programme in Neurological Counseling

## Neuropsychological Assessment

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**AANET:** The American Academy of Neurology Network is a professional organization that provides resources and support for neurologists and other healthcare professionals. Related terms include AAN, Neurology, and Healthcare. The AANET provides a platform for neurologists to share knowledge, stay updated on the latest research, and network with other professionals in the field.

**ABAS:** The Adaptive Behavior Assessment System is a comprehensive assessment tool used to evaluate the adaptive behavior of individuals with intellectual or developmental disabilities. Related terms include Adaptive Behavior, Assessment, and Developmental Disabilities. The ABAS assesses the practical, social, and conceptual skills of individuals, providing a comprehensive picture of their adaptive behavior.

**Achievement Test:** An achievement test is a type of assessment used to evaluate an individual's knowledge or skills in a specific area, such as reading or mathematics. Related terms include Assessment, Knowledge, and Skills. Achievement tests are commonly used in educational settings to evaluate student learning and progress.

**ADL:** Activities of Daily Living refer to the everyday tasks and activities that individuals perform to take care of themselves, such as bathing, dressing, and eating. Related terms include Daily Living, Self-Care, and Independence. ADLs are an essential aspect of daily life, and difficulties with ADLs can indicate cognitive or physical impairments.

**Affect:** Affect refers to the emotional state or feeling of an individual, such as happiness, sadness, or anger. Related terms include Emotion, Mood, and Feeling. Affect is an essential aspect of neuropsychological assessment, as it can impact cognitive and behavioral functioning.

**Agnosia:** Agnosia is a neurological disorder characterized by the inability to recognize or identify sensory information, such as visual or auditory stimuli. Related terms include Neurological Disorder, Sensory Information, and Perception. Agnosia can result from damage to the brain, particularly in areas responsible for sensory processing.

**Agraphia:** Agraphia is a neurological disorder characterized by the inability to write or spell, often resulting from damage to the brain's language centers. Related terms include Neurological Disorder, Language, and Writing. Agraphia can be a challenging condition to diagnose and treat, requiring a comprehensive neuropsychological assessment.

**Alexia:** Alexia is a neurological disorder characterized by the inability to read, often resulting from damage to the brain's language centers. Related terms include Neurological Disorder, Language, and Reading. Alexia can be a debilitating condition, impacting an individual's ability to communicate and access information.

**Amygdala:** The amygdala is a small almond-shaped structure in the brain responsible for processing emotions, such as fear and anxiety. Related terms include Brain Structure, Emotion, and Fear. The amygdala

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plays a critical role in the body's stress response, influencing cognitive and behavioral functioning.

**Anosognosia:** Anosognosia is a neurological disorder characterized by the denial or lack of awareness of one's own illness or disability. Related terms include Neurological Disorder, Denial, and Awareness. Anosognosia can be a challenging condition to treat, requiring a comprehensive neuropsychological assessment and rehabilitation plan.

**Aphasia:** Aphasia is a neurological disorder characterized by difficulties with language, such as speaking, reading, or writing. Related terms include Neurological Disorder, Language, and Communication. Aphasia can result from damage to the brain, particularly in areas responsible for language processing.

**Apraxia:** Apraxia is a neurological disorder characterized by difficulties with motor planning and coordination, such as dressing or using utensils. Related terms include Neurological Disorder, Motor Planning, and Coordination. Apraxia can be a challenging condition to diagnose and treat, requiring a comprehensive neuropsychological assessment.

**Assessment:** An assessment is a systematic evaluation of an individual's cognitive, emotional, or behavioral functioning. Related terms include Evaluation, Cognitive, and Functioning. Assessments are essential in neuropsychological counseling, providing a comprehensive understanding of an individual's strengths and weaknesses.

**Attention:** Attention refers to the ability to focus on specific stimuli or tasks, while ignoring distractions. Related terms include Focus, Concentration, and Distraction. Attention is an essential aspect of cognitive functioning, influencing learning, memory, and daily activities.

**Autism:** Autism, also known as Autism Spectrum Disorder, is a neurological disorder characterized by difficulties with social interaction, communication, and repetitive behaviors. Related terms include Neurological Disorder, Social Interaction, and Communication. Autism can range from mild to severe, requiring a comprehensive neuropsychological assessment and treatment plan.

**Basal Ganglia:** The basal ganglia are a group of brain structures responsible for regulating movement, cognition, and emotion. Related terms include Brain Structure, Movement, and Cognition. The basal ganglia play a critical role in the body's motor and cognitive systems, influencing daily activities and behaviors.

**Behavioral Observation:** Behavioral observation is a technique used to assess an individual's behavior, such as body language, facial expressions, and verbal communication. Related terms include Assessment, Behavior, and Observation. Behavioral observation is an essential aspect of neuropsychological counseling, providing a comprehensive understanding of an individual's behavioral patterns.

**Brain Injury:** A brain injury is a type of trauma that can result from a blow to the head, stroke, or other medical conditions. Related terms include Trauma, Head Injury, and Rehabilitation. Brain injuries can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Cerebellum:** The cerebellum is a brain structure responsible for coordinating movement, balance, and posture. Related terms include Brain Structure, Movement, and Balance. The cerebellum plays a critical role

in the body's motor system, influencing daily activities and behaviors.

**Cerebral Cortex:** The cerebral cortex is the outer layer of the brain responsible for processing sensory information, controlling movement, and facilitating thought and emotion. Related terms include Brain Structure, Sensory Information, and Thought. The cerebral cortex is essential for cognitive and behavioral functioning, influencing daily activities and behaviors.

**Cognitive Development:** Cognitive development refers to the process by which an individual's cognitive abilities, such as attention, memory, and problem-solving, mature and develop. Related terms include Development, Cognitive, and Abilities. Cognitive development is an essential aspect of human growth and development, influencing learning, education, and daily activities.

**Cognitive Rehabilitation:** Cognitive rehabilitation is a type of therapy that aims to improve cognitive functioning, such as attention, memory, and problem-solving, following a brain injury or neurological disorder. Related terms include Therapy, Cognitive, and Rehabilitation. Cognitive rehabilitation is an essential aspect of neuropsychological counseling, providing individuals with the skills and strategies necessary to overcome cognitive challenges.

**Comorbidity:** Comorbidity refers to the presence of two or more medical conditions, such as neurological disorders or mental health conditions, that occur simultaneously. Related terms include Medical Condition, Neurological Disorder, and Comorbidity. Comorbidity can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Concussion:** A concussion is a type of brain injury that can result from a blow to the head, often causing symptoms such as headache, dizziness, and confusion. Related terms include Brain Injury, Head Injury, and Rehabilitation. Concussions can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Cortex:** The cortex is the outer layer of the brain responsible for processing sensory information, controlling movement, and facilitating thought and emotion. Related terms include Brain Structure, Sensory Information, and Thought. The cortex is essential for cognitive and behavioral functioning, influencing daily activities and behaviors.

**Dementia:** Dementia is a neurological disorder characterized by difficulties with memory, language, and problem-solving, often resulting from age-related changes or medical conditions. Related terms include Neurological Disorder, Memory, and Language. Dementia can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Developmental Disorder:** A developmental disorder is a type of condition that affects an individual's development, such as autism, ADHD, or intellectual disability. Related terms include Development, Disorder, and Developmental. Developmental disorders can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Diagnostic Criteria:** Diagnostic criteria are the standards used to diagnose a medical condition, such as a

neurological disorder or mental health condition. Related terms include Diagnosis, Criteria, and Medical Condition. Diagnostic criteria are essential in neuropsychological counseling, providing a comprehensive understanding of an individual's symptoms and diagnosis.

DSM-5: The Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition, is a manual used to diagnose mental health conditions, such as anxiety, depression, or personality disorders. Related terms include Diagnosis, Mental Health, and Manual. The DSM-5 is an essential resource in neuropsychological counseling, providing a comprehensive understanding of mental health conditions and their diagnostic criteria.

EEG: An electroencephalogram is a test used to measure the electrical activity of the brain, often used to diagnose neurological disorders, such as epilepsy or seizures. Related terms include Brain Activity, Neurological Disorder, and Seizures. EEGs are an essential tool in neuropsychological assessment, providing a comprehensive understanding of brain function and activity.

Emotion: Emotion refers to a complex psychological and physiological state, such as happiness, sadness, or fear, that influences cognitive and behavioral functioning. Related terms include Psychological State, Physiological State, and Feeling. Emotions are an essential aspect of human experience, influencing daily activities and behaviors.

Executive Function: Executive function refers to the high-level cognitive processes, such as planning, decision-making, and problem-solving, that are responsible for controlling and regulating behavior. Related terms include Cognitive Process, Planning, and Decision-Making. Executive function is essential for daily activities and behaviors, influencing cognitive and behavioral functioning.

fMRI: Functional magnetic resonance imaging is a test used to measure the activity of the brain, often used to diagnose neurological disorders, such as stroke or brain injury. Related terms include Brain Activity, Neurological Disorder, and Imaging. fMRIs are an essential tool in neuropsychological assessment, providing a comprehensive understanding of brain function and activity.

Frontal Lobe: The frontal lobe is a brain structure responsible for executive function, motor control, and decision-making. Related terms include Brain Structure, Executive Function, and Motor Control. The frontal lobe is essential for cognitive and behavioral functioning, influencing daily activities and behaviors.

Functional Assessment: A functional assessment is a type of evaluation that measures an individual's ability to perform daily activities, such as bathing, dressing, or cooking. Related terms include Evaluation, Daily Activities, and Functioning. Functional assessments are essential in neuropsychological counseling, providing a comprehensive understanding of an individual's abilities and limitations.

Gait: Gait refers to the manner in which an individual walks or moves, often used to assess motor function and balance. Related terms include Motor Function, Balance, and Walking. Gait is an essential aspect of daily activities and behaviors, influencing mobility and independence.

Hippocampus: The hippocampus is a brain structure responsible for memory formation and spatial navigation. Related terms include Brain Structure, Memory, and Navigate. The hippocampus is essential for

cognitive functioning, influencing learning, memory, and daily activities.

**ICD-10:** The International Classification of Diseases, Tenth Revision, is a manual used to diagnose medical conditions, such as neurological disorders or mental health conditions. Related terms include Diagnosis, Medical Condition, and Manual. The ICD-10 is an essential resource in neuropsychological counseling, providing a comprehensive understanding of medical conditions and their diagnostic criteria.

**Intellectual Disability:** Intellectual disability is a type of condition characterized by significant difficulties with cognitive and adaptive functioning, often resulting from genetic or environmental factors. Related terms include Cognitive Functioning, Adaptive Functioning, and Disability. Intellectual disability can have a significant impact on daily activities and behaviors, requiring a comprehensive neuropsychological assessment and treatment plan.

**Language Disorder:** A language disorder is a type of condition characterized by difficulties with language, such as speaking, reading, or writing. Related terms include Language, Disorder, and Communication. Language disorders can have a significant impact on cognitive and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Learning Disability:** A learning disability is a type of condition characterized by significant difficulties with learning, such as reading, writing, or mathematics. Related terms include Learning, Disability, and Education. Learning disabilities can have a significant impact on cognitive and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Limbic System:** The limbic system is a network of brain structures responsible for emotion, motivation, and memory. Related terms include Brain Structure, Emotion, and Motivation. The limbic system is essential for cognitive and behavioral functioning, influencing daily activities and behaviors.

**Memory:** Memory refers to the ability to store, retain, and retrieve information, such as facts, events, or experiences. Related terms include Cognitive Function, Information, and Retention. Memory is an essential aspect of cognitive functioning, influencing learning, education, and daily activities.

**Mental Health:** Mental health refers to the psychological and emotional well-being of an individual, influencing cognitive and behavioral functioning. Related terms include Psychological Well-Being, Emotional Well-Being, and Mental. Mental health is essential for daily activities and behaviors, influencing overall health and quality of life.

**Motor Control:** Motor control refers to the ability to regulate and coordinate movement, such as walking, running, or using utensils. Related terms include Motor Function, Coordination, and Movement. Motor control is an essential aspect of daily activities and behaviors, influencing mobility and independence.

**Motor Skill:** A motor skill is a type of ability that requires coordination and practice, such as riding a bike or playing a musical instrument. Related terms include Motor Function, Coordination, and Practice. Motor skills are essential for daily activities and behaviors, influencing mobility and independence.

**MRI:** Magnetic resonance imaging is a test used to create detailed images of the brain and body, often used to diagnose neurological disorders, such as stroke or brain injury. Related terms include Brain Imaging,

Neurological Disorder, and Imaging. MRIs are an essential tool in neuropsychological assessment, providing a comprehensive understanding of brain structure and function.

**Neuroanatomy:** Neuroanatomy refers to the study of the structure and organization of the brain and nervous system. Related terms include Brain Structure, Nervous System, and Anatomy. Neuroanatomy is essential for understanding cognitive and behavioral functioning, influencing daily activities and behaviors.

**Neurodevelopmental Disorder:** A neurodevelopmental disorder is a type of condition that affects an individual's development, such as autism, ADHD, or intellectual disability. Related terms include Development, Disorder, and Neurodevelopmental. Neurodevelopmental disorders can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Neuroimaging:** Neuroimaging refers to the use of techniques, such as MRI or CT scans, to create detailed images of the brain and body. Related terms include Brain Imaging, Neurological Disorder, and Imaging. Neuroimaging is an essential tool in neuropsychological assessment, providing a comprehensive understanding of brain structure and function.

**Neurological Disorder:** A neurological disorder is a type of condition that affects the brain, spinal cord, or nervous system, such as stroke, brain injury, or neurodegenerative diseases. Related terms include Brain, Spinal Cord, and Nervous System. Neurological disorders can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Neuropsychological Assessment:** A neuropsychological assessment is a comprehensive evaluation of an individual's cognitive, emotional, and behavioral functioning, often used to diagnose neurological disorders or mental health conditions. Related terms include Assessment, Cognitive Functioning, and Neuropsychological. Neuropsychological assessments are essential in understanding cognitive and behavioral functioning, influencing daily activities and behaviors.

**Neuropsychological Test:** A neuropsychological test is a type of assessment used to evaluate an individual's cognitive, emotional, or behavioral functioning, such as attention, memory, or language. Related terms include Test, Cognitive Functioning, and Assessment. Neuropsychological tests are essential tools in neuropsychological assessment, providing a comprehensive understanding of cognitive and behavioral functioning.

**Neuroplasticity:** Neuroplasticity refers to the brain's ability to adapt, change, and reorganize in response to experience, learning, or injury. Related terms include Brain, Adaptation, and Change. Neuroplasticity is essential for cognitive and behavioral functioning, influencing learning, memory, and daily activities.

**Neurotransmitter:** A neurotransmitter is a chemical messenger that transmits signals between neurons, such as dopamine, serotonin, or acetylcholine. Related terms include Neurotransmitter, Chemical Messenger, and Signal. Neurotransmitters are essential for cognitive and behavioral functioning, influencing mood, motivation, and daily activities.

**Parkinson's Disease:** Parkinson's disease is a neurological disorder characterized by difficulties with movement, balance, and coordination, often resulting from degeneration of dopamine-producing neurons. Related terms include Neurological Disorder, Movement, and Dopamine. Parkinson's disease can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Personality Disorder:** A personality disorder is a type of condition characterized by persistent and maladaptive patterns of thought, feeling, and behavior. Related terms include Personality, Disorder, and Thought. Personality disorders can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Psychological Assessment:** A psychological assessment is a comprehensive evaluation of an individual's cognitive, emotional, and behavioral functioning, often used to diagnose mental health conditions or neurological disorders. Related terms include Assessment, Cognitive Functioning, and Psychological. Psychological assessments are essential in understanding cognitive and behavioral functioning, influencing daily activities and behaviors.

**Psychometric Test:** A psychometric test is a type of assessment used to evaluate an individual's cognitive, emotional, or behavioral functioning, such as intelligence, personality, or achievement. Psychometric tests are essential tools in psychological assessment, providing a comprehensive understanding of cognitive and behavioral functioning.

**Rehabilitation:** Rehabilitation refers to the process of restoring or improving an individual's cognitive, emotional, or behavioral functioning, often following a brain injury or neurological disorder. Related terms include Rehabilitation, Cognitive Functioning, and Treatment. Rehabilitation is essential for improving daily activities and behaviors, influencing overall health and quality of life.

**Schizophrenia:** Schizophrenia is a mental health condition characterized by difficulties with thought, perception, and behavior, often resulting from genetic or environmental factors. Related terms include Mental Health, Thought, and Perception. Schizophrenia can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Seizure:** A seizure is a type of neurological event characterized by abnormal electrical activity in the brain, often resulting in convulsions, loss of consciousness, or altered mental status. Related terms include Neurological Event, Brain Activity, and Convulsions. Seizures can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Sensory Processing:** Sensory processing refers to the ability to integrate and interpret sensory information, such as visual, auditory, or tactile stimuli. Related terms include Sensory Information, Integration, and Interpretation. Sensory processing is an essential aspect of cognitive functioning, influencing learning, memory, and daily activities.

**Stroke:** A stroke is a type of neurological event characterized by damage to the brain, often resulting from

blockage or rupture of blood vessels. Related terms include Neurological Event, Brain Damage, and Vascular. Strokes can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Substance Abuse:** Substance abuse refers to the misuse or dependence on substances, such as drugs or alcohol, often resulting in negative consequences for physical and mental health. Related terms include Substance, Abuse, and Dependence. Substance abuse can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**TBI:** Traumatic brain injury is a type of neurological event characterized by damage to the brain, often resulting from a blow to the head or other forms of trauma. Related terms include Neurological Event, Brain Damage, and Trauma. TBI can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Temperament:** Temperament refers to an individual's personality or character, often influencing behavior, mood, and emotional functioning. Related terms include Personality, Character, and Mood. Temperament is an essential aspect of cognitive and behavioral functioning, influencing daily activities and behaviors.

**Thalamus:** The thalamus is a brain structure responsible for relaying sensory information to the cortex, often playing a critical role in attention, perception, and memory. Related terms include Brain Structure, Sensory Information, and Relay. The thalamus is essential for cognitive functioning, influencing learning, memory, and daily activities.

**Trauma:** Trauma refers to a type of experience or event that can cause physical or emotional harm, often resulting in negative consequences for mental health and well-being. Related terms include Experience, Event, and Harm. Trauma can have a significant impact on cognitive, emotional, and behavioral functioning, requiring a comprehensive neuropsychological assessment and treatment plan.

**Treatment Plan:** A treatment plan is a comprehensive plan outlining the goals, objectives, and interventions used to treat a medical condition, such as a neurological disorder or mental health condition. Related terms include Plan, Treatment, and Intervention. Treatment plans are essential in neuropsychological counseling, providing a comprehensive understanding of an individual's needs and goals.

**VA:** The Veterans Administration is a government agency responsible for providing healthcare services to veterans, often including neuropsychological assessment and treatment. Related terms include Healthcare, Veterans, and Administration. The VA is an essential resource for veterans, providing comprehensive healthcare services and support.

**WAIS:** The Wechsler Adult Intelligence Scale is a type of assessment used to evaluate an individual's cognitive functioning, such as intelligence, attention, and memory. Related terms include Assessment, Cognitive Functioning, and Intelligence. The WAIS is an essential tool in neuropsychological assessment, providing a comprehensive understanding of cognitive functioning.

**WISC:** The Wechsler Intelligence Scale for Children is a type of assessment used to evaluate a child's cognitive functioning, such as intelligence, attention, and memory. The WISC is an essential tool in

neuropsychological assessment, providing a comprehensive understanding of cognitive functioning in children.

**Working Memory:** Working memory refers to the ability to hold and manipulate information in mind for a short period, often used for tasks such as problem-solving or learning. Related terms include Memory, Information, and Manipulation. Working memory is an essential aspect of cognitive functioning, influencing learning, memory, and daily activities.