Teacher Answer Key

Case Study

1. The neuropsychologist ran assessments of attention span, memory and problem-solving, and the pattern of impairment in working memory and executive functioning pointed to frontal lobe damage.

2. Cognitive rehabilitation gave him structured exercises to rebuild memory, attention and reasoning, and over time he recovered much of what he had lost.

Multiple Choice

1. *A*

2. *C*

3. *C*

Matching

1-D, 2-E, 3-B, 4-A, 5-C

Fill-in-the-Blank

1) Cognitive rehabilitation, 2) Amygdala, 3) Neuroimaging

Short Answer (Sample Responses)

Q1: Imaging techniques like MRI and fMRI provide detailed pictures of brain structure and activity, helping identify areas of damage or dysfunction.

Q2: Neuroplasticity allows the brain to adapt by forming new neural connections, which is essential for regaining lost functions after injuries.

Q3: Neurodegenerative diseases often progress unpredictably, requiring ongoing assessment and adaptation of treatment plans to address both cognitive and emotional challenges.