

Part II: CLINICAL APPLICATION

(200 Questions)

- I. Effect of Neurological Disorders on the EEG 20%**
 - A. CNS infections
 - B. Psychiatric disorders
 - C. Seizures, epileptic syndromes and classifications
 - D. Toxic and metabolic disorders
 - E. Tumors
 - F. Vascular disease
 - G. Degenerative diseases
 - H. Headaches
 - I. Neuropathology
 - J. Head trauma

- II. Considerations in the Recording 10%**
 - A. Communication with patient
 - B. Age-specific considerations
 - C. Contraindications to activation
 - D. Effects of medications on recording and patients
 - E. Coma and altered mental status
 - F. Managing clinical events
 - G. Infection control
 - H. Basic cardiac rhythms

- III. EEG Recording and Pattern Recognition 40%**
 - A. Documentation
 - B. Correlating patient behaviors
 - C. Normal adult EEG
 - D. Normal pediatric EEG
 - E. Normal neonatal EEG
 - F. Abnormal EEG (Adult/Pediatric)
 - G. Montage selection
 - H. Localization and polarity
 - I. Activation techniques
 - J. Identifying and correlating artifacts
 - K. Troubleshooting
 - L. Normal variants
 - M. Sleep patterns
 - N. Correlation of history with specific EEG patterns (breech, JCD, etc.)

- IV. Modification of Recording Strategy 30%**
 - A. Electrographic correlates
 - B. Selection of recording and parameters
 - C. Use of filters
 - D. ECI recordings and guidelines
 - E. Waveform analysis and identification
 - F. Measurements of frequency, voltage and duration.
 - G. Monitoring techniques
 - H. Identifying clinical events
 - I. Non-standard montages and electrode placements
 - J. Non-standard activation procedures