



Histotechnology Technician Exam Outline

This Exam Outline was developed to help you prepare for the knowledge exam.

This Exam Outline is not meant to cover all aspects of the knowledge exam, but to guide your preparation for questions that may occur in the knowledge exam.

Review:

- Types of stains, techniques, indications, results
- Types of fixatives, techniques, indications, results
- Histochemical methods and results
- Definitions:
 - Auxochrome
 - Chromophore
 - Dye lake/Stream
- Paraffin conversion techniques and specimen orientation
- Fite method
- Slide contamination prevention
- Atomic groups within dye molecule
- EEG tracing patterns recognition
 - Types, duration, and indications of wave forms
 - Seizure recognition
 - Delta/theta/alpha wave frequency
 - Posterior dominant rhythms
 - Pen deflection directions and indications
- Head measurement techniques
- Medication effects on EEGs
- EEG lead placement, electrode impedance, and complications
- Burr hole effects on EEGs
- Diagnosis with contraindication for activation procedure hyperventilation
- Sleep stages
- Types of microtomes
- Acid/base balance
- Types of freezing agents, indication, techniques, results
- Accreditation Agencies role/responsibility
- Myelin production
- Bielschowsky technique
- Decalcification technique
- Gram Stain results