

NBC

National Board for Certification in
Dental Laboratory Technology



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Dental Laboratory Industry Regulations and Scope of Practice
Understanding Good Manufacturing Practices (GMPs), FDA CFR 21 Part 820
Practice under Federal guidelines, OSHA, HIPAA, Customs and Border Protection (CBP) (e.g., labelling and disclosure)
Interpret prescription and access case viability
Practice within the scope of state dental practice act
Anatomy
Identify occlusal requirements (e.g. bilateral posterior contacts, guidance, lingualized)
Differentiate types of occlusion (canine guidance, group function, malocclusion)
Identify tooth morphology
Identify growth and development of dentition
Identify basic anatomic landmarks (e.g. soft tissue and hard tissue)
Identify muscles of mastication and facial expression
Identify facial and cranial skeletal anatomy
Identify tooth coding systems (e.g. Universal, International, and Palmer)
Theory
Define dental terms using appropriate terminology
Identify function and types of dental devices (e.g., appliances, prostheses, restorations)
Maxillary and Mandibular Articulation
Identify uses, types and components of articulators (e.g. non-, semi-, fully-adjustable)
Identify mounting procedures (e.g. face bows, etc.)
Identify bite registrations and/or jaw relation records
Identify the types, processes, physical properties and handling characteristics of dental lab materials
Gypsum products
Waxes
Metals and alloys
Plastics, resins and composites
Separating materials
Fluxes and antfluxes
Alcohols (e.g., denatured and isopropyl)
Acids and neutralizers
Wetting agents

2016 Job Task Outline for Certified Dental Technician Comprehensive Examination
For NBC Examinations beginning January 1, 2017

Wax Solvents
Abrasives and polishing agents
Laboratory gases
Investments (e.g. casting, pressing, soldering, refractory)
Impression materials
Ceramics (e.g., core and layering materials)
Weights and measure
Working with Impressions and Models (e.g., Traditional or Digital)
Evaluate and validate impressions
Understand model fabrication
Recognize contraindications for impression techniques and materials
Identify techniques for handling types of impressions
Identify custom tray parameters
Safe Working Practices
Identify equipment maintenance and safety requirements and PPE (verification and validation)
Perform infection control procedures
Use and maintenance of Safety Data Sheet (SDS)
Identify hazardous waste disposal requirements (EPA)
Identification, handling and storage of hazardous materials (OSHA, Pictogram labelling)
Identify emergency preparedness (e.g., eye wash, fire blanket, first aid, fire extinguishers, exit plan)