

NBC

National Board for Certification in
Dental Laboratory Technology



This outline is intended solely for use of candidates interested in seeking certification with the National Board for Certification in Dental Laboratory Technology. NBC reserves the right to amend the information contained in this document. This outline was last revised in June of 2016.

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| Dental Laboratory Industry Regulations and Scope of Practice <i>(9 - 11% of written exam questions are from this domain)</i> |
| 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 <i>(16 - 18% of written exam questions are from this domain)</i> |
| 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 <i>(5 - 7% of written exam questions are from this domain)</i> |
| Define dental terms using appropriate terminology |
| Identify function and types of dental devices (e.g., appliances, prostheses, restorations) |
| Maxillary and Mandibular Articulation <i>(6 - 8% of written exam questions are from this domain)</i> |
| 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 <i>(31 - 33% of written exam questions are from this domain)</i> |
| Gypsum products |
| Waxes |
| Metals and alloys |
| Plastics, resins and composites |

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

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| Separating materials |
| Fluxes and antifixes |
| Alcohols (e.g., denatured and isopropyl) |
| Acids and neutralizers |
| Wetting agents |
| 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) <i>(10 - 12% of written exam questions are from this domain)</i> |
| 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 <i>(16 - 18% of written exam questions are from this domain)</i> |
| 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) |