



National Board for Certification in  
**Dental Laboratory Technology**



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<b>Perform Preliminary &amp; Diagnostic Work Up</b> <i>(10 - 12% of written exam questions are from this domain)</i>
Manufacture diagnostic cast from preliminary impression or digital file for case design
Evaluate case for various types of restorations
Recognize contraindications for materials/case design
Perform diagnostic wax up (e.g., traditional, digital)
Manufacture custom tray
<b>Manufacture Master Cast (Traditional or Digital)</b> <i>(9 - 11% of written exam questions are from this domain)</i>
Manufacture the master cast
Identify and evaluate preparation designs
Prepare the dies
Articulate casts
<b>Manufacture Substructure for Ceramics</b> <i>(18 - 20% of written exam questions are from this domain)</i>
Design substructure for ceramics (e.g., traditional, digital)
Identify various manufacturing methods (e.g., traditional, digital)
Select compatible materials for manufacturing methods
Identify techniques for manufacturing methods
Evaluate restoration/substructure
Identify techniques for soldering/welding, pre and post ceramic
<b>Ceramic Application &amp; Contouring</b> <i>(36 - 38% of written exam questions are from this domain)</i>
Select ceramic materials according to prescription
Prepare surface for ceramic application
Apply opaque/liner
Layer ceramic material (e.g., traditional, digital)
Contour tooth morphology
Verify occlusion, contacts and excursions
Evaluate shade and characterization
Stain and glaze techniques
Finish and polish techniques
Evaluate the restoration for final acceptance

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

Selection and Application of Materials and Equipment for Ceramics <i>(21 - 23% of written exam questions are from this domain)</i>
Identify properties and application of pattern materials
Identify properties and applications of abrasives and polishing agents
Identify the use of instruments and equipment
Identify use and storage of acids
Identify components of CAD/CAM systems
Identify properties and application of refractory and investment materials
Identify properties and application of ceramic materials
Identify application of sealers, die hardeners, spacers, and separating mediums