



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



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<b>Create Master Casts from Stock and/or Custom Tray Impressions</b> <i>(6 - 8% of written exam questions are from this domain)</i>
Construct master casts
Identify anatomical landmarks
Index casts
Articulate casts
<b>Survey, Design and Preparation for Framework (Traditional or Digital)</b> <i>(25 - 27% of written exam questions are from this domain)</i>
Recognize contraindications for materials/case design
Identify major connectors (types and functions)
Identify minor connectors (types and functions)
Identify direct retainers (types and functions)
Identify indirect retainers
Determine location of rests
Determine types denture base retention
Identify types of attachments
Identify stress relievers and application
Identify techniques of surveying
Understand clasp selection
Understand application of blockout and relief
Perform bead line applications
Perform relief for acrylic retention
Understand classification of partially edentulous arches
<b>Manufacture Refractory Cast</b> <i>(3 - 5% of written exam questions are from this domain)</i>
Duplicate master cast
Transfer design
<b>Manufacture Partial Dentures Frameworks</b> <i>(10 - 12% of written exam questions are from this domain)</i>
Understand application of patterns (e.g., traditional, digital)
Understand requirements for spruing (e.g., traditional, digital)
Invest the pattern
Eliminate the pattern

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

Identify casting techniques
Divest casting
Finish and polish framework
Select and Arrange Artificial Teeth and Process <i>(9 - 11% of written exam questions are from this domain)</i>
Select appropriate teeth
Set-up and arrange appropriate teeth
Create anatomical wax contours of the denture base
Identify processing equipment, materials & techniques
Deflask RPD
Finish and Polish Partial Denture Base <i>(9 - 11% of written exam questions are from this domain)</i>
Identify equipment and materials
Identify the techniques and procedures
Divest the partial denture
Identify and correct processing errors
Finish the partial denture
Polish the partial denture
Procedures for Repairs and Alterations for Partial Dentures <i>(11 - 13% of written exam questions are from this domain)</i>
Identify techniques for soldering
Identify techniques for welding
Finish and polish after alterations
Perform repairs and additions
Understand process for altered (split) cast technique
Reline a partial denture
Rebase a partial denture
Understand process for immediate partial denture
Selection and Application of Materials and Equipment <i>(18 - 20% of written exam questions are from this domain)</i>
Identify properties and application of gypsum products
Identify properties and application of refractory and investment materials
Identify application of separating mediums
Identify properties and application of waxes
Identify properties and application of resins
Identify properties and application of alloys
Understand application of abrasives and polishing agents
Understand application of solder and flux materials
Understand safety protocol for the use and storage of hazardous materials
Understand application of flexible RPD materials
Understand application of CAD/CAM processes
Identify use of instruments and equipment (e.g., traditional, digital)