Job Task Outline for Certified Dental Technician Crown Bridge Examination
For NBC Examinations beginning January 1, 2023

NBC
National Board for Certification in
Dental Laboratory Technology

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Perform Preliminary & Diagnostic Work Up *(9 - 11% of written exam questions are from this domain)*
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 Master Cast (Traditional or Digital) *(10 - 12% of written exam questions are from this domain)*
Manufacture the master cast
Identify and evaluate preparation designs
Prepare the dies
Articulate casts
Design and Manufacture Patterns (Traditional or Digital) *(17 - 19% of written exam questions are from this domain)*
Determine method for creating pattern
Identify design parameters for fixed restorations
Manufacture pattern for full contour restoration
Manufacture pattern for post & core
Manufacture pattern for substructures
Manufacture pattern for bridges
Manufacture pattern for inlays/onlay
Manufacture Restoration *(11 - 13% of written exam questions are from this domain)*
Sprue and invest pattern
Burnout invested mold
Cast/Press/Divest the restoration
Mill Restoration
Print Restoration
Finish and Polish the Restoration *(24 - 26% of written exam questions are from this domain)*
Inspect the restoration for defects
Remove the sprues
Seat restoration to die(s)
Finish the restoration
Refine contacts, occlusion and excursions
Prepare surface for porcelain
Polish the restoration
Evaluate the restoration for final acceptance
Apply soldering/welding techniques
Selection and Application of Materials and Equipment for Crown & Bridge *(21 - 23% of written exam questions are from this domain)*
Identify properties and application of pattern materials
Identify properties and applications of abrasives and polishing agents

Identify properties and application of acids
Identify properties and application of laboratory gases
Identify properties and application of restorative materials
Identify properties and application of CAD/CAM systems
Identify properties and application of refractory and investment materials
Identify properties and application of sealers, die hardeners, spacers, and separating mediums
Identify properties and application of instruments and equipment