

Job Ready Assessment Blueprint

Dental Assisting



Test Code: 4226 / Version: 01

General Assessment Information

Blueprint Contents

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Test Type: The Dental Assisting industry-based credential is included in NOCTI's Job Ready assessment battery. Job Ready assessments measure technical skills at the occupational level and include items which gauge factual and theoretical knowledge. Job Ready assessments typically offer both a written and performance component and can be used at the secondary and post-secondary levels. Job Ready assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the states of Florida, Hawaii, Michigan, New Jersey, Pennsylvania, Ohio, and Virginia.



51.0601- Dental Assisting/Assistant



Career Cluster 8 - Health Science



31-9091.00
Dental Assistants



The American Medical Certification Association (AMCA) offers 14 certification exams for the allied healthcare field. AMCA supports NOCTI's Health Science assessments which are aligned to industry standards. This assessment is an excellent training instrument, in both content and test-mode preparation. Students passing both the NOCTI assessment and AMCA's national certification exam are demonstrating superior knowledge in their field and are outstanding candidates for entry-level positions in the allied healthcare field.



The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!



In the lower division
baccalaureate/associate degree
category, 3 semester hours in
Dental Assisting.

Written Assessment

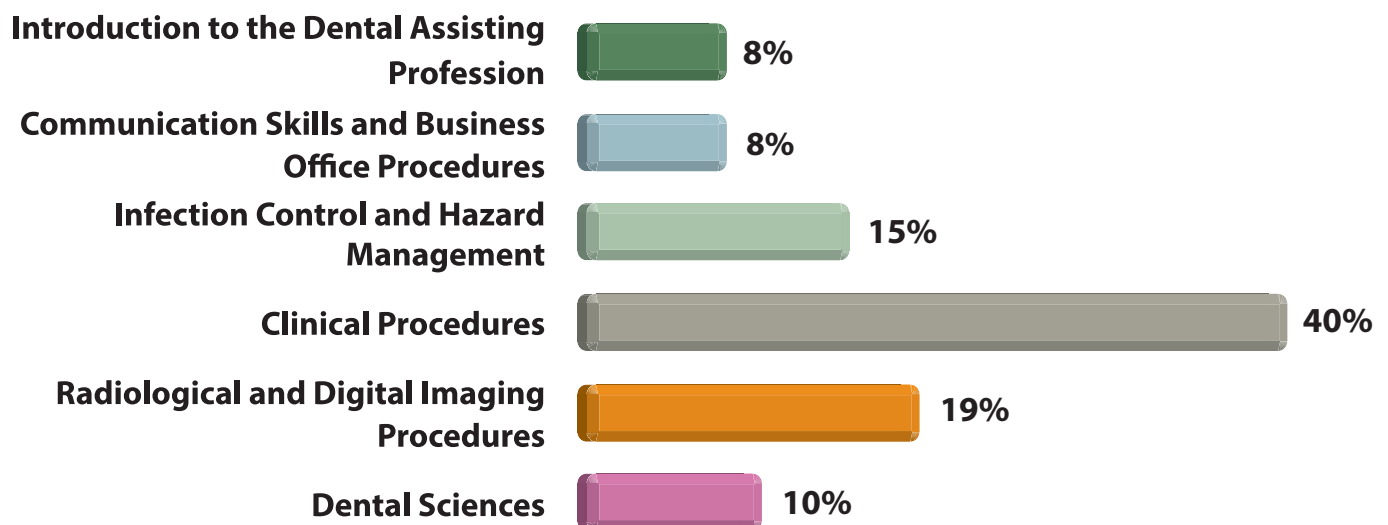
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 3 hours

Number of Questions: 179

Number of Sessions: This assessment may be administered in one, two, or three sessions.

Areas Covered



Specific Standards and Competencies Included in this Assessment

Introduction to the Dental Assisting Profession

- Identify career roles, functions, obligations, and limitations of a dental assistant
- Identify professional organizations within the dental community
- Describe ethics and jurisprudence as they relate to the dental profession
- Identify the roles of the dental healthcare team
- Identify the major dental specialties

Communication Skills and Business Office Procedures

- Communicate with patients, dental team members, other health professionals, and the public
- Obtain, update, and file current documentation of patient record, status, and treatment
- Maintain procedures for legal access to patient records according to HIPAA standards
- Schedule and maintain appointment book, using computer and manual appointment systems
- Process and maintain inventory control systems

Infection Control and Hazard Management

- Demonstrate understanding of steps to be followed after a bloodborne pathogen exposure incident
- Dispose of waste and hazardous materials in compliance with federal regulations
- Maintain personal safety and hygiene according to CDC, EPA, and OSHA guidelines
- Understand pre-cleaning, disinfection, and sterilization procedures according to federal guidelines
- Interpret, maintain, and use SDS sheets
- Understand disease transmission and asepsis procedures

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Specific Standards and Competencies (continued)

Clinical Procedures

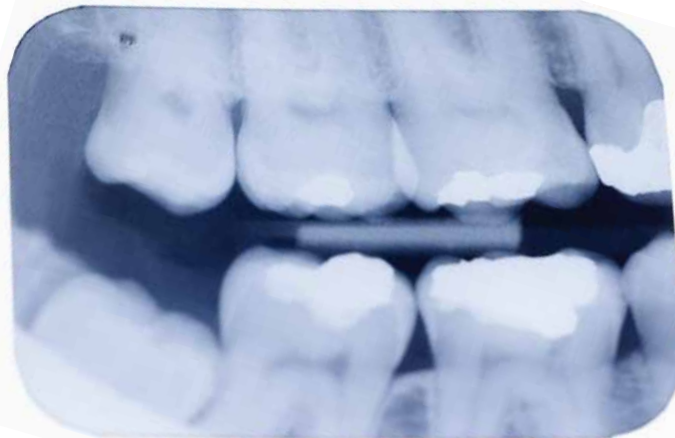
- Take alginate impressions
- Pour impressions; trim and articulate cast and models
- Seat and dismiss patient
- Obtain, measure, and record vital signs
- Chart oral condition as dictated by the dentist
- Instruct patient and family in oral hygiene techniques and nutrition
- Maintain moisture control during dental procedures
- Prepare and assist with armamentarium relating to composite resin and amalgam restorations
- Prepare and assist with application and removal of dental dam
- Prepare various temporary and permanent dental materials
- Describe procedures for chairside assisting in various dental specialties
- Prepare and assist with preventive procedures including fluorides and sealants
- Demonstrate instrument and material transfer
- Prepare and assist with administration of local and topical anesthesia
- Fabricate provisional coverage for crown and bridge (C&B) prosthetics
- Prepare and mix various elastomeric impression materials for fixed and removable prosthetics
- Identify various dental instruments and tray set-ups
- Identify various handpieces and associated rotary instruments
- Identify and assist with various types of medical and dental emergencies
- Demonstrate ergonomic positioning of the patient, dental team, and dental unit
- Provide patients with pre-treatment and post-treatment instruction and management

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Specific Standards and Competencies (continued)

Radiological and Digital Imaging Procedures

- Mount and label dental intraoral and extraoral radiographs
- Practice patient and operator safety measures for radiation
- Demonstrate infection control protocol specific to radiologic procedures
- Maintain quality assurance specific to radiologic procedures, solutions, film, and equipment
- Demonstrate appropriate techniques for film and/or digital imagery placement and exposure
- Expose diagnostic quality intraoral radiograph using parallel or bisecting techniques
- Identify, select, and assemble radiographic equipment used in extraoral and intraoral procedures
- Differentiate between the normal and abnormal appearance of tooth structure, and supporting structures
- Identify and troubleshoot exposure and processing errors

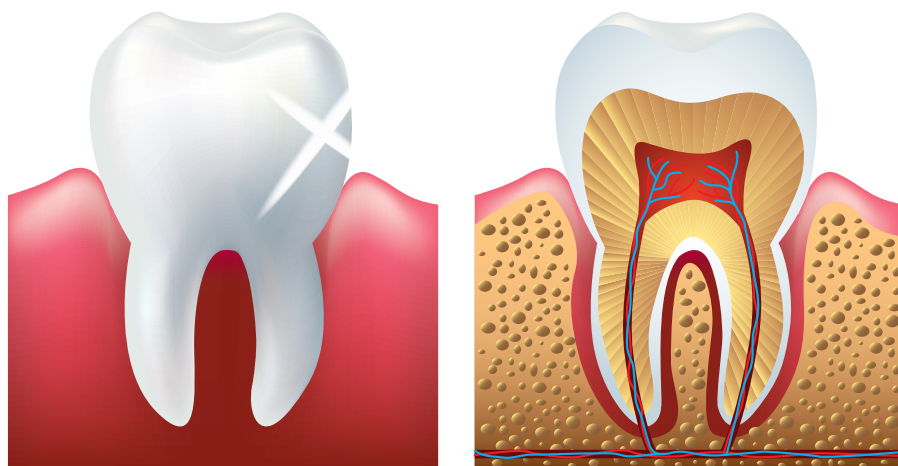


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Specific Standards and Competencies (continued)

Dental Sciences

- Describe the body systems of general human anatomy
- Describe head and neck anatomy (e.g., muscles, cranial nerves, facial and cranial bones)
- Name and identify the location of teeth and their surfaces
- Describe the tissues of the tooth, functions, and landmarks of the oral cavity
- Define numbering systems of permanent and primary dentitions



Sample Questions

A patient's medical history is updated

- A. at every visit
- B. as needed
- C. every six months
- D. annually

The preferred, reliable method of sterilization is

- A. dry heat
- B. steam under pressure
- C. cold disinfecting solution
- D. chemical heat

To prevent air bubbles in a model or cast, use

- A. a higher water/powder ratio
- B. warm water
- C. boxing techniques
- D. a laboratory vibrator

The tissues most sensitive to radiation are

- A. kidney and nerves
- B. bone and salivary glands
- C. skin and oral mucosa
- D. thyroid and reproductive cells

Another word for primary teeth is

- A. succedaneous
- B. edentulous
- C. deciduous
- D. supernumerary

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Sample Questions (continued)

Consumable dental supplies are the supplies that

- A. are used quickly and reordered regularly
- B. are used occasionally throughout the year
- C. wear out from continual use
- D. must be autoclaved

Skin is part of the body's _____ system.

- A. digestive
- B. endocrine
- C. integumentary
- D. lymphatic

To examine the apex of a tooth, use which type of x-ray film?

- A. periapical
- B. panoramic
- C. occlusal
- D. bitewing

After use, place disposable needles in a/an

- A. general waste container
- B. biohazard trash bag
- C. approved sharps container
- D. autoclave

To correct an error in charting

- A. cover the error with wite-out®
- B. erase the error
- C. use double lines and red pen
- D. draw a line through the error and rewrite a correction

Performance Assessment

NOCTI performance assessments allow individuals to demonstrate their acquired skills by completing actual jobs using the tools, materials, machines, and equipment related to the technical area.

Administration Time: 1 hour and 40 minutes

Number of Jobs: 6

Areas Covered:

15% Procedure 1: Prepare Instruments for Autoclaving

Participant will assemble materials and equipment necessary to prepare instruments for autoclaving following the correct safety and sanitation procedures.

13% Procedure 2: Assemble Equipment to Expose Radiographic Film

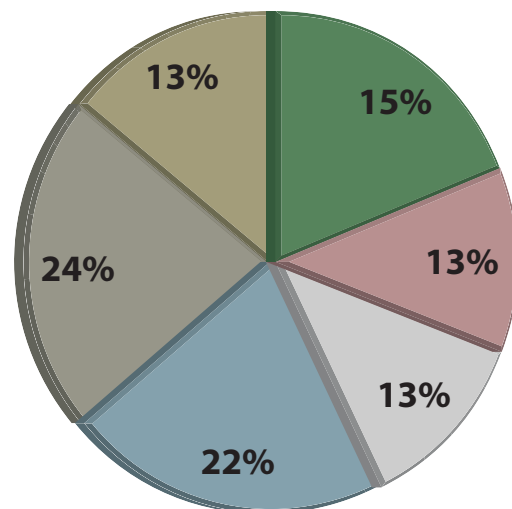
Participant will assemble radiographic equipment in order to ensure accurate film and tube placement when exposing x-rays.

13% Procedure 3: Mount Full Series Radiographs

Participant will be given a full series of radiographs and will be required to mount the radiographs for viewing from the labial view.

22% Procedure 4: Assemble and Disassemble Aspirating Syringe

Participant will properly assemble and disassemble an aspirating syringe in preparation for injection following the correct safety and sanitation procedures. The participant will remove and properly dispose of the needle and cartridge.



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Areas Covered (continued)

24% Procedure 5: Take a Single Mandibular Alginate Impression

Participant will properly assemble the appropriate armamentarium and make the impression following the correct safety and sanitation procedures.

13% Procedure 6: Prepare Class III (Anterior) Composite Tray

Participant will choose the appropriate instruments and armamentarium for a composite restoration following the correct safety and sanitation procedures.



Sample Job

Procedure 1 – Prepare Instruments for Autoclaving

Maximum Time: 15 minutes

Participant Activity: The test participant will assemble materials and equipment necessary to prepare instruments for autoclaving following the steps provided.



Notes

