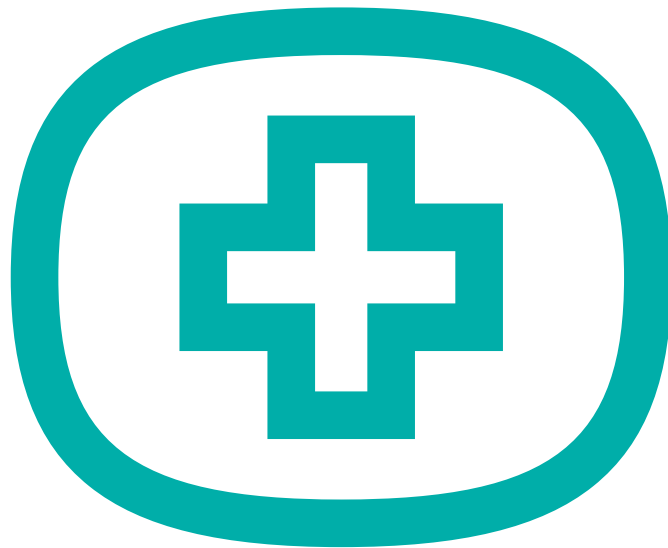




Dental Assisting

General Assessment Information

Blueprint Contents

General Assessment Information	Sample Written Items
Written Assessment Information	Performance Assessment Information
Specific Competencies Covered in the Test	Sample Performance Job

Test Type: The Dental Assisting assessment is included in NOCTI's Teacher assessment battery. Teacher assessments measure an individual's technical knowledge and skills in a proctored proficiency examination format. These assessments are used in a large number of states as part of the teacher licensing and/or certification process, assessing competency in all aspects of a particular industry. NOCTI Teacher tests typically offer both a written and performance component that must be administered at a NOCTI-approved Area Test Center. Teacher assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from subject matter experts representing the following states: California, Colorado, Louisiana, Michigan, North Carolina, Pennsylvania, Texas, Virginia, and West Virginia.



51.0601- Dental Assisting/Assistant



Career Cluster -
Health Science



31-9091.00 - Dental Assistants

Written Assessment

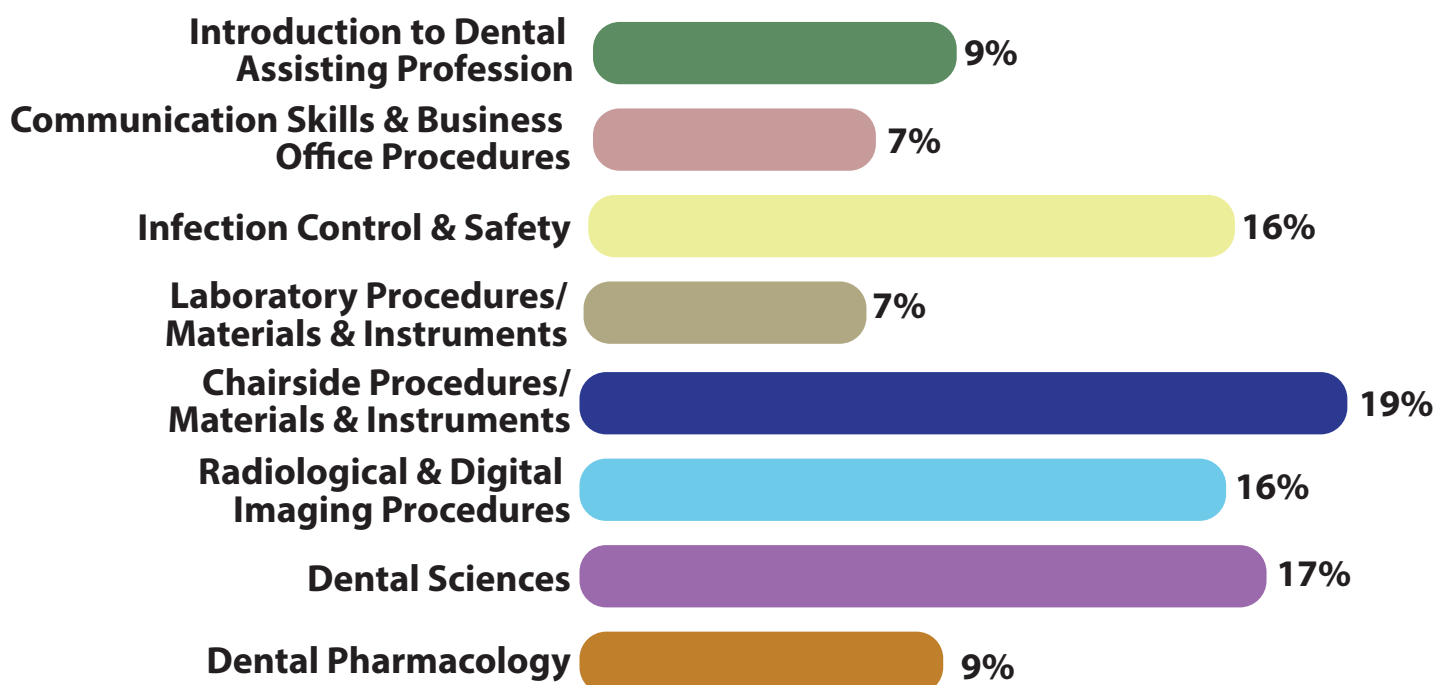
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 2 hours and 30 minutes

Number of Questions: 128

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

- Demonstrate understanding of ethics and jurisprudence regulations as they relate to the dental profession
- Identify career roles, functions, professional organizations, and limitations of a dental assistant
- Identify the major dental specialties

Communication Skills and Business Office Procedures

- Demonstrate knowledge of documentation of patient record, status, and treatment
- Recognize importance of maintaining procedures for legal access to patient records according to HIPAA standards
- Demonstrate knowledge of scheduling and maintaining the appointment book

Infection Control and Safety

- Demonstrate understanding of steps to be followed after a bloodborne pathogen exposure incident
- Demonstrate knowledge of waste and hazardous materials disposal in compliance with federal regulations
- Demonstrate understanding of personal safety and hygiene maintenance according to CDC, EPA, and OSHA guidelines
- Demonstrate understanding of disease transmission and asepsis procedures
- Demonstrate understanding of pre-cleaning, disinfection, sterilization, and water line maintenance according to federal guidelines

(Continued on the following page)

Specific Standards and Competencies (continued)

Laboratory Procedures/Materials and Instruments

- Demonstrate understanding of preparation of various impression materials (e.g., models)
- Identify laboratory equipment and their uses
- Demonstrate knowledge of safety and infection control

Chairside Procedures/Materials and Instruments

- Demonstrate knowledge of Vital Sign Assessment steps and medical history review
- Demonstrate knowledge of oral condition charting
- Demonstrate knowledge of moisture control maintenance during dental procedures
- Demonstrate understanding of how the armamentarium relates to composite resin and amalgam restorations
- Demonstrate knowledge of preparation of preliminary impressions and various temporary/permanent dental materials
- Demonstrate understanding of instrument and material transfer (e.g., 4-handed, 6-handed)

Radiological and Digital Imaging Procedures

- Demonstrate knowledge of radiological and digital imaging techniques
- Demonstrate understanding of the importance of radiation protection
- Demonstrate understanding of infection prevention and control techniques

Dental Sciences

- Demonstrate knowledge of head and neck anatomy
- Demonstrate understanding of numbering systems of permanent and primary dentitions
- Demonstrate understanding of the tissues of the teeth, the functions and landmarks of the oral cavity, and classifications of occlusions

(Continued on the following page)

Specific Standards and Competencies (continued)

Dental Pharmacology

- Demonstrate understanding of medications used in dentistry
- Demonstrate understanding of the use of anesthetic agents
- Demonstrate understanding of the principles of pharmacology
- Demonstrate knowledge of procedures related to medical emergencies and special needs

Sample Questions

Which dental specialty treats malocclusion?

- A. endodontics
- B. periodontics
- C. orthodontics
- D. prosthodontics

When measuring a patient's _____ the cuff is placed around the brachial artery.

- A. pulse
- B. respiratory rate
- C. body temperature
- D. blood pressure

The _____ technique may be used in a situation where a patient has a small mouth, shallow palate, or the presence of tori.

- A. paralleling
- B. bitewing
- C. bisecting
- D. long-cone

After taking a digital radiograph, the _____ should be sterilized.

- A. bite holder
- B. X-ray cone
- C. sensor
- D. film

The horseshoe shaped bone under the tongue muscle is referred to as

- A. vomer
- B. mandible
- C. sphenoid
- D. hyoid

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 50 minutes

Number of Jobs: 8

Areas Covered:

14% Procedure 1: Treat a Contaminated Tray and Prepare Instruments for Sterilization

Participant will assemble materials and equipment necessary, separate waste, sort instruments, place into ultrasonic, turn on and verbalize process, remove instruments, and prepare for autoclaving.

8% Procedure 2: Oral Hygiene Instructions

Participant will demonstrate and explain the proper technique for brushing and flossing.

7% Procedure 3: Mix IRM

Participant will demonstrate the proper technique for mixing IRM, test for proper consistency, and clean area when finished.

16% Procedure 4: Assemble and Disassemble Aspirating Syringe

Participant will properly assemble and disassemble an aspirating syringe in preparation for a block injection following the correct safety and sanitation procedures.

14% Procedure 5: Take an Impression

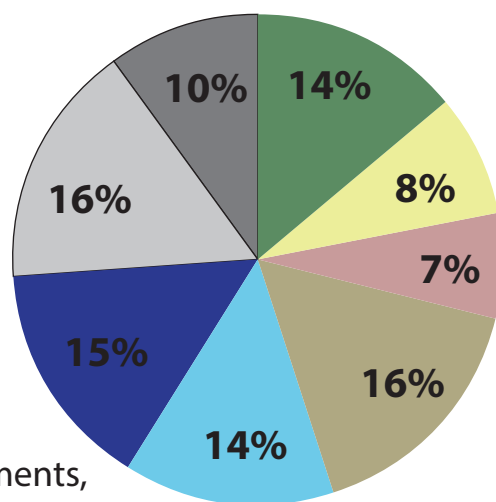
Participant will properly assemble the appropriate armamentarium, make and disinfect the impression following the correct safety and sanitation procedures.

15% Procedure 6: Prepare a Class III (Anterior) Composite Tray

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

16% Procedure 7: Position HVE and Air-Water Syringe and Transfer Instruments

Participant will assist operator in a chairside procedure demonstrating the correct placement and transfer of the HVE, air water syringe, and necessary instruments following operators' instructions, then disassemble HVE and air water syringe and clean area.



Performance Assessment (continued)**Areas Covered:****16% Procedure 7: Position HVE and Air-Water Syringe and Transfer Instruments**

Participant will assist operator in a chairside procedure demonstrating the correct placement and transfer of the HVE, air water syringe, and necessary instruments following operators' instructions, then disassemble HVE and air water syringe and clean area.

10% Procedure 8: Assemble XCP

Participant will assemble and present holder for maxillary anterior exposure, mandibular left posterior exposure, and bitewing exposure.

Sample Job

Procedure 1: Treat a Contaminated Tray and Prepare Instruments for Sterilization

Maximum Time: 10 minutes

Participant Activity: Participant will assemble materials and equipment necessary to prepare instruments for autoclaving, separate waste, sort instruments and place into ultrasonic, provide verbal instructions, remove instruments, and prepare for autoclaving.