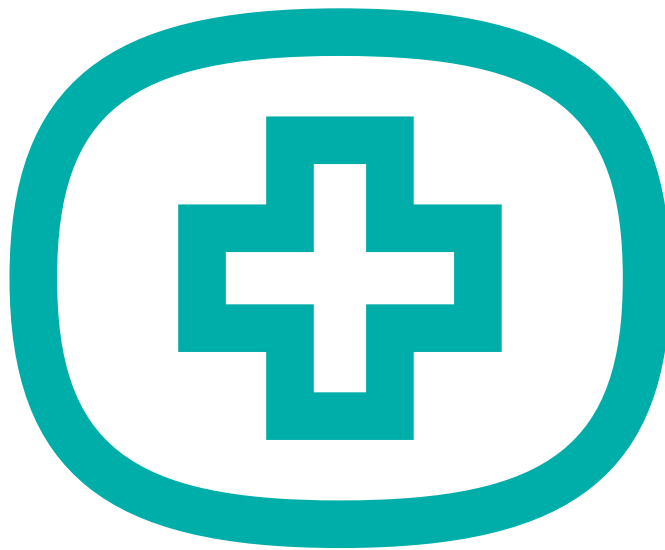




Dental Assisting

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 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 California, Colorado, Louisiana, Michigan, North Carolina, Pennsylvania, Texas, Virginia, and West Virginia.



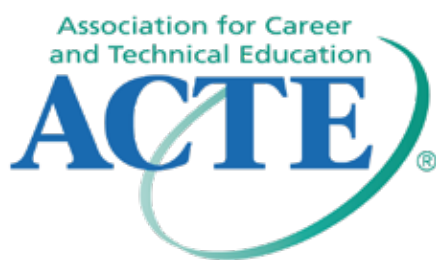
51.0601- Dental Assisting/Assistant



Career Cluster 8 - Health Science



31-9091.00
Dental Assistants



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!

Written Assessment

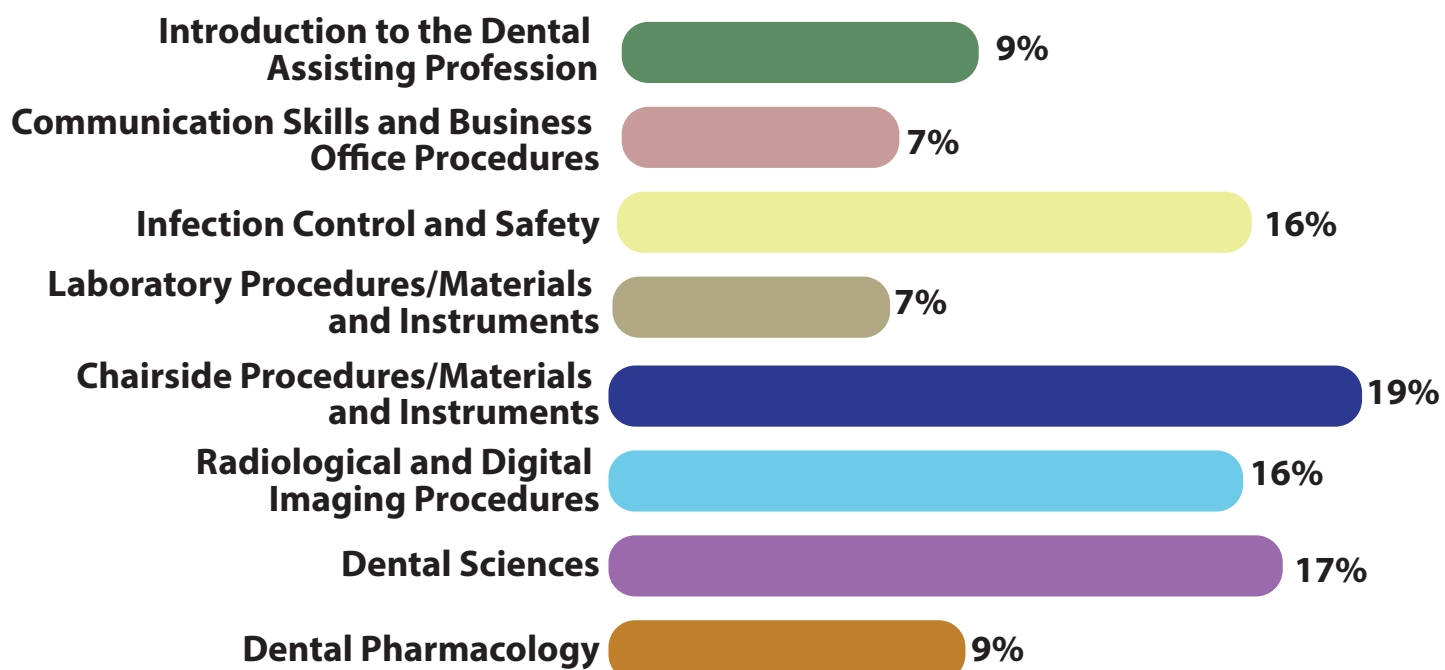
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

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

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

(Continued on the following page)

Specific Standards and Competencies (continued)

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

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

Disposable suction traps should be replaced _____ to maintain proper vacuum strength.

- A. weekly
- B. monthly
- C. quarterly
- D. annually

Dental handpieces should be lubricated

- A. after removing from the ultrasonic
- B. only when required by manufacturer
- C. before each use, after sterilization
- D. after each use, before sterilization

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

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

When charting, green indicates treatment by

- A. an endodontist
- B. the doctor
- C. the current office
- D. another dentist

(Continued on the following page)

Sample Questions (continued)

For surgical extraction, the correct suction tip to use is

- A. saliva ejector
- B. high-volume evacuator
- C. surgical suction
- D. air water syringe

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

Another word for primary teeth is

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

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

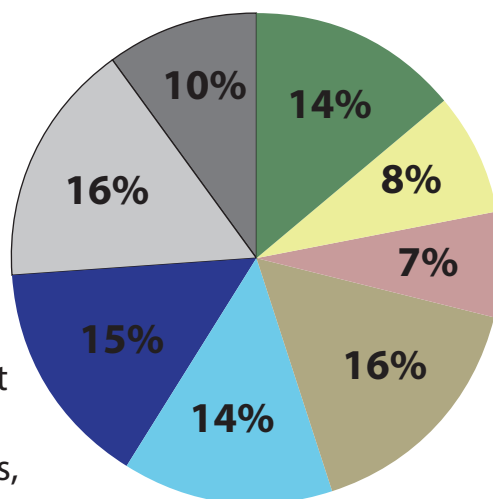
Participant will demonstrate and explain the proper technique for brushing and flossing.

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.



(Continued on the following page)

Areas Covered (continued)

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.

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.