

**State of California
Office of Administrative Law**

In re:
Dental Board of California

Regulatory Action:

Title 16, California Code of Regulations

Adopt sections: 1081.3, 1081.4
Amend sections: 1080, 1080.3, 1081, 1081.2
Repeal sections: 1080.1, 1080.2, 1081.1,
1082, 1082.1, 1082.3, 1083

NOTICE OF APPROVAL OF REGULATORY
ACTION

Government Code Section 11349.3

OAL Matter Number: 2024-1009-02

OAL Matter Type: Regular (S)

This action by the Dental Board of California adopts, amends, and repeals regulations governing dental auxiliary written examinations to reflect current practice and align with recent statutory changes.

OAL approves this regulatory action pursuant to section 11349.3 of the Government Code. This regulatory action becomes effective on January 1, 2025, with the exception of section 1081, which takes effect upon filing with the Secretary of State pursuant to Government Code section 11343.4(b)(3).

Date: November 20, 2024



Nicole C. Carrillo
Senior Attorney

For: Kenneth J. Pogue
Director

Original: Tracy Montez, Executive Officer
Copy: Brant Nelson

NOTICE PUBLICATION/REGULATIONS SUBMISSION

REGULAR

For use by Secretary of State only

D. 490 (REV. 10/2019)

OAL FILE NUMBERS	NOTICE FILE NUMBER Z-2024-0702-04	REGULATORY ACTION NUMBER 2024-1009-025	EMERGENCY NUMBER
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ENDORSED - FILED
in the office of the Secretary of State
of the State of California

NOV 20 2024
AB 1:42 PM

OFFICE OF ADMIN. LAW
2024 OCT 9 PM 4:25

NOTICE	REGULATIONS
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AGENCY WITH RULEMAKING AUTHORITY Dental Board of California	AGENCY FILE NUMBER (if any)
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IV. PUBLICATION OF NOTICE (Complete for publication in Notice Register)

1. SUBJECT OF NOTICE Dental Assisting Exams		TITLE(S) 16	FIRST SECTION AFFECTED 1080	2. REQUESTED PUBLICATION DATE June 12, 2024
NOTICE TYPE <input checked="" type="checkbox"/> Notice re Proposed Regulatory Action <input type="checkbox"/> Other	4. AGENCY CONTACT PERSON Lawrence Bruggeman		TELEPHONE NUMBER 916-263-2027	FAX NUMBER (Optional) 916-263-2140
OAL USE ONLY <input type="checkbox"/> Approved as Submitted <input type="checkbox"/> Disapproved/Withdrawn	ACTION ON PROPOSED NOTICE		NOTICE REGISTER NUMBER 2024, 28-2	PUBLICATION DATE 7/12/24

V. SUBMISSION OF REGULATIONS (Complete when submitting regulations)

3. SUBJECT OF REGULATION(S) Dental Assisting Exams	1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S)
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SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION(S) (Including title 26, if toxics related)	
SECTION(S) AFFECTED (List all section number(s) individually. Attach additional sheet if needed.)	ADOPT 1081.3 and 1081.4
	AMEND 1080, 1080.3, 1081 and 1081.2
TITLE(S) 16 per agency request	REPEAL 1080.1, 1080.2, 1081.1, 1082, 1082.1, 1082.3, and 1083

TYPE OF FILING			
<input checked="" type="checkbox"/> Regular Rulemaking (Gov. Code §11346)	<input type="checkbox"/> Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute.	<input type="checkbox"/> Emergency Readopt (Gov. Code, §11346.1(h))	<input type="checkbox"/> Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100)
<input type="checkbox"/> Resubmission of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3, 11349.4)	<input type="checkbox"/> Resubmission of disapproved or withdrawn emergency filing (Gov. Code, §11346.1)	<input type="checkbox"/> File & Print	<input type="checkbox"/> Print Only
<input type="checkbox"/> Emergency (Gov. Code, §11346.1(b))	<input type="checkbox"/> Other (Specify) _____		

6. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.1)
N/A

7. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100)			
<input type="checkbox"/> Effective January 1, April 1, July 1, or October 1 (Gov. Code §11343.4(a))	<input type="checkbox"/> Effective on filing with Secretary of State	<input type="checkbox"/> §100 Changes Without Regulatory Effect	<input checked="" type="checkbox"/> Effective other (Specify) quarterly except 1081 effective on filing with SOS

8. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY		
<input checked="" type="checkbox"/> Department of Finance (Form STD. 399) (SAM §6680)	<input type="checkbox"/> Fair Political Practices Commission	<input type="checkbox"/> State Fire Marshal
<input checked="" type="checkbox"/> Other (Specify) Kimberly Kirchmeyer, Director, Department of Consumer Affairs		

9. CONTACT PERSON Brant Nelson	TELEPHONE NUMBER 916-263-0919	FAX NUMBER (Optional)	E-MAIL ADDRESS (Optional) Brant.Nelson@dca.ca.gov
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I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification.

For use by Office of Administrative Law (OAL) only
ENDORSED APPROVED
NOV 20 2024
Office of Administrative Law

SIGNATURE OF AGENCY HEAD OR DESIGNEE Tracy A. Montez	DATE Oct 7, 2024
TYPED NAME AND TITLE OF SIGNATORY Tracy A. Montez, Ph.D., Executive Officer	

DEPARTMENT OF CONSUMER AFFAIRS
TITLE 16. DENTAL BOARD OF CALIFORNIA
DIVISION 10. DENTAL BOARD OF CALIFORNIA

Order of Adoption

Amend Sections 1080, 1080.3, 1081 and 1081.2, adopt Sections 1081.3 and 1081.4, and repeal Sections 1080.1, 1080.2, 1081.1, 1082, 1082.1, 1082.3, and 1083 in Article 4 of Chapter 3 of Division 10 of Title 16 of the California Code of Regulations to read as follows:

§ 1080. General Procedures for ~~Dental Auxiliary RDA, RDAEF, Orthodontic Assistant and Dental Sedation Assistant~~ Written and ~~Practical~~ Examinations.

The following rules, which are in addition to any other examination rules set forth elsewhere in this chapter, are adopted for the uniform conduct of all ~~dental auxiliary RDA, RDAEF, Orthodontic Assistant, and Dental Sedation Assistant~~ written and practical examinations.

- (a) The ability of an examination candidate ("examinee") to read and interpret instructions and examination material is a part of the examination.
- (b) No ~~person-examinee~~ shall be admitted to an examination room ~~or laboratory~~ unless he or she ~~the examinee is wearing the appropriate badge~~ allows a test center proctor at the examination site to photograph them, provides one form of an acceptable government-issued photographic identification, and presents their thumb for electronic scanning.
- (1) Each time an examinee leaves and returns to the examination site, they shall have their thumb scanned again. The resulting thumb print shall match the initial thumb print taken by the test center proctor at the examination site. Examinees needing an accommodation for thumb printing may meet the examination entry requirements in paragraph (2), as applicable.
- (2) If an examinee does not have a thumb, or the print cannot be captured, the test center proctor shall scan the pointer finger. If the examinee has no thumbs or fingers, the test center proctor shall contact their manager to obtain verbal or written permission to allow the photo taken of the examinee to be used to identify them each time they leave and re-enter the examination room.
- (c) An examinee may be dismissed from the entire examination, and a statement of issues may be filed against the examinee, for acts which interfere with the Board's

- (1) Unexpired driver's license or identification card issued by a U.S. state or territory,
- (2) Unexpired United States military identification card including active duty, retiree, or reservist military identification card (DD Form 2 or 2 A),
- (3) Unexpired Passport from any country,
- (4) Unexpired United States-issued passport card,
- (5) Unexpired United States-issued Permanent Resident Card (Form I-551),
- (6) Unexpired Mexican Consulate identification card, or,
- (7) Unexpired United States-issued Employment Authorization Card (EAC -- Form I-766).

NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 123, 1743, 1750.2, 1750.4, 1752.1, and 1753, 1756, 1758 and 1761, Business and Professions Code.

~~§ 1080.1. General Procedures for Dental Auxiliary Clinical Examinations.~~

~~The following rules, which are in addition to any other examination rules set forth elsewhere in this chapter, are adopted for the uniform conduct of all dental auxiliary clinical examinations.~~

~~(a) Each examinee shall furnish patients, instruments, engines and materials necessary to carry the procedures to completion. The board will provide chairs.~~

~~(b) A patient provided by an examinee must be at least 18 years of age and shall be in a health condition acceptable for dental treatment. If conditions indicate a need to consult the patient's physician or for the patient to be premedicated (e.g. high blood pressure, heart murmur, rheumatic fever, heart condition, prosthesis), the examinee must obtain the necessary written medical clearance and/or evidence of premedication before the patient will be accepted. The examiners may, in their discretion, reject a patient who in the opinion of at least two examiners has a condition which interferes with evaluation or which may be hazardous to the patient, other patients, examinees or examiners. A hazardous condition includes, but is not limited to, acute symptomatic hepatitis, active herpetic lesions, acute periodontal or periapical abscesses, or necrotizing ulcerative gingivitis. Whenever a patient is~~

~~rejected, the reason for such rejection shall be noted on the examination record and shall be signed by both rejecting examiners.~~

~~(c) No person shall be admitted to an examination clinic unless he or she is wearing the appropriate identification badge.~~

~~(d) An examinee may be dismissed from the entire examination, and a statement of issues may be filed against the examinee, for acts which interfere with the Board's objective of evaluating professional competence. Such acts include, but are not limited to the following:~~

~~(1) Allowing another person to take the examination in the place of, and under the identity of, the examinee.~~

~~(2) Bringing any notes, books, pictures, tape recorders, or other unauthorized materials into the examination area.~~

~~(3) Assisting another examinee during the examination process.~~

~~(4) Using the equipment, instruments, or materials belonging to another examinee.~~

~~(5) Presenting radiographs which have been altered, or contrived to represent other than the patient's true condition, whether or not the misleading radiograph was created by the examinee.~~

~~(6) Failing to comply with the board's infection control regulations.~~

~~(7) Failing to use an aspirating syringe for administering local anesthesia.~~

~~(8) Premedicating a patient for purposes of sedation.~~

~~(9) Dismissing a patient without the approval and signature of an examiner.~~

~~(10) Leaving the assigned examination area without the permission of an exam administrator.~~

~~(11) Failing to follow directions relative to the conduct of the examination, including termination of the examination at the scheduled or announced time.~~

~~(e) An examinee may be declared by the board to have failed the entire examination for demonstration of gross incompetence in treating a patient.~~

~~NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1753, 1756, 1758 and 1761, Business and Professions Code.~~

~~§ 1080.2. Conduct of Dental Auxiliary Examinations.~~

~~Examinations shall be anonymous. An anonymous examination is one conducted in accordance with procedures, including but not limited to those set forth below, which ensure and preserve anonymity of applicants.~~

~~(a) The board shall randomly assign each applicant a number, and said applicant shall be known by that number throughout the entire examination.~~

~~(b) Grading examiners shall not view examinees during the performance of the examination assignments.~~

~~(c) There shall be no communications between grading examiners and floor examiners except for oral communications conducted in the presence of board staff. There shall be no communication between grading examiners and examinees except written communications on board approved forms.~~

~~NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1753, 1756, 1758 and 1761, Business and Professions Code.~~

~~§ 1080.3. Dental Auxiliary Licensure RDA, RDAEF, Orthodontic Assistant and~~

Dental Sedation Assistant Written Examination Review Procedures; Appeals.

(a) An examinee who has failed an examination shall be provided with notice, upon written request, of those areas in which ~~he/she is~~ they were deficient in the practical or clinical phases of such examination.

(b) An unsuccessful examinee who has been informed of the areas of deficiency in ~~his/her~~ their performance on the practical or clinical phases of the examination and who ~~has~~ have determined that one or more of the following errors was made during the course of ~~his/her~~ their examination and grading may appeal to the ~~Board~~ Board within ~~sixty~~ sixty-five (~~60~~15) days following receipt of ~~his/her~~ their examination results:

- (1) Significant procedural error in the examination process;
- (2) Evidence of adverse discrimination;
- (3) Evidence of substantial disadvantage to the examinee. Such appeal shall be made by means of a written letter specifying the grounds upon which the appeal is based. The Board's designee shall respond to the appeal in writing and may request a personal appearance by the examinee. The Board shall thereafter take such action as it deems appropriate.

NOTE: Authority cited: Sections 1614, Business and Professions Code. Reference: Sections 1750.2, 1750.4, 1752.1, and 1753, 1756, 1758 and 1761, Business and Professions Code.

§ 1081 RDA Registered Dental Assistant Combined Written and Law and Ethics Examination.

(a) Prior to issuance of a license, An applicant for licensure as an RDA shall complete and achieve a criterion-referenced passing score on the Board's Registered Dental Assistant Combined Written and Law and Ethics Examination. The Registered Dental Assistant Combined Written and Law and Ethics Examination ("examination") is a written, task-oriented examination encompassing all duties assignable to RDAs and the settings in which they may be performed, knowledge of California and federal laws as

they relate to the duties of RDAs, and the ability to recognize and apply ethical principles as they relate to the duties of RDAs.

(b) Such examination may shall test applicants in also include any or all of the following subjects/content areas, tasks and associated knowledge statements listed in "Table 14 -- Registered Dental Assistant Written Examination Outline," which is hereby incorporated by reference and published in the document entitled "Occupational Analysis of the Registered Dental Assistant Profession" by the Department of Consumer Affairs' Office of Professional Examination Services, dated June 2023.:

~~Nutrition and preventive dentistry; materials; oral anatomy and physiology; oral pathology; pharmacology; morphology; microbiology; dental assisting procedures in general and special dentistry; principles of business and practice management; legal/ethical aspects of dentistry; patient-dental personnel psychology; four-handed chairside dental assisting; X-ray; sterilization; laboratory and office emergency procedures.~~

(c) As used in this section, "criterion-referenced passing score" is a passing score for the examination established by the modified Angoff standard setting method. This method includes the use of RDA licensees and a test development specialist and determines through evaluation and rating of each exam question that the passing score represents entry level competence to practice in the profession as specified in subsection (b).

(d) This section shall be effective on November 20, 2024.

Note: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1614, 1743, 1749.1, and 1752.1 and 1753, Business and Professions Code.

§ 1081.1. RDA Practical Examination--Requirements.

~~(a) In addition to the written examination, each applicant for licensure as an RDA shall also take a practical examination consisting of any or all of the procedures listed below. The specific procedures will be assigned by an RDA examination committee appointed by the board. The procedures shall be performed on a full articulated maxillary and mandibular typodont secured with a bench clamp and shall be graded by examiners appointed by the board for that purpose. Each applicant shall furnish the required materials necessary to complete all of the following procedures.~~

~~(1) Placement of a rubber dam;~~

- ~~(2) Placement of a matrix band for amalgam preparation;~~
- ~~(3) Placement of a base into a prepared tooth (For purposes of the examination, "prepared tooth" means a tooth from which material has been removed so as to simulate the surgical excision of dental caries);~~
- ~~(4) Placement of a liner into a prepared tooth;~~
- ~~(5) Placement of orthodontic separators;~~
- ~~(6) Placement of a periodontal dressing;~~
- ~~(7) Placement of a temporary sedative dressing into a prepared tooth.~~
- ~~(8) Sizing and placement, or intra-oral fabrication, of a temporary crown.~~
- ~~(9) Temporary cementation of a temporary crown.~~
- ~~(10) Removal of excess cement from supragingival surfaces with a hand instrument or floss.~~

~~NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1614 and 1753, Business and Professions Code.~~

§ 1081.2. RDAEF Written Examination Requirements.

(a) Prior to issuance of a license, an applicant for a permit as an RDAEF shall complete and achieve a criterion-referenced passing score on the Board's Registered Dental Assistant in Extended Functions Written Examination ("examination"). The examination is a written, task-oriented examination encompassing duties assignable to an RDAEF and the settings in which they may be performed, knowledge of California and federal laws as they relate to the duties of RDAEFs, and the ability to recognize and apply ethical principles as they relate to the duties of an RDAEF.

(b) Such examination shall test applicants in any or all of the content areas, tasks and associated knowledge statements listed in "Table 16 -- Registered Dental Assistant In Extended Functions Written Examination Outline," which is hereby incorporated by reference and published in the document entitled "Occupational Analysis of the Registered Dental Assistant In Extended Functions Profession" by the Department of Consumer Affairs' Office of Professional Examination Services, dated October 2021.

(c) As used in this section, "criterion-referenced passing score" is a passing score for the examination established by the modified Angoff standard setting method. This method includes the use of RDA licensees and a test development specialist and determines through evaluation and rating of each exam question that the passing score represents entry level competence to practice in the profession as specified in subsection (b).

~~(a) Each applicant for licensure as an RDAEF shall successfully complete an examination on a patient consisting of the procedures set forth below.~~

~~(1) Cord retraction of gingivae for impression procedures;~~

~~(2) Taking impressions for cast restorations.~~

~~The total examination period shall not exceed two and one-half hours.~~

~~(b) Each applicant shall provide one patient upon whom the retraction and impression procedures shall be performed. If a patient is deemed unacceptable by the examiners, it is the applicant's responsibility to provide another patient who is acceptable. The applicant's ability to select an appropriate patient is considered part of the examination. An acceptable patient shall meet the criteria set forth in Section 1080.1 and the following additional criteria:~~

~~(1) Must have a minimum of ten teeth per arch.~~

~~(2) Must have a prepared tooth, which is a bicuspid or molar and which, prior to preparation, had mesial and distal contact. The preparation performed shall have margins at or below the free gingival crest and shall be one of the following: $\frac{1}{4}$ crown, $\frac{3}{4}$ crown, or full crown, including porcelain fused to metal. Alginate impression materials alone are not acceptable.~~

~~(c) These procedures shall be graded by examiners appointed by the Board. These procedures may be tested, at the Board's discretion, in a Board-approved dental office or other facilities, by examiners appointed by the Board.~~

NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1743 and 17563, Business and Professions Code.

§ 1081.3 Orthodontic Assistant Written Examination.

(a) Prior to issuance of a permit, an applicant for a permit as an orthodontic assistant ("OA") shall complete and achieve a criterion-referenced passing score on the Board's Orthodontic Assistant Examination ("examination"). The examination is a written, task-oriented examination encompassing the knowledge, skills and abilities necessary to competently perform the duties of an OA specified in Section 1750.3 of the Code including, recognition of the duties assignable to an OA, knowledge of California and federal laws as they relate to the duties of OAs, and the ability to recognize and apply ethical principles as they relate to the duties of OAs.

(b) Such examination shall test applicants in any or all of the content areas, tasks and associated knowledge statements listed in "Table 13 – Orthodontic Assistant Examination Outline," which is hereby incorporated by reference and published in the document entitled "Occupational Analysis of the Orthodontic Assistant Practice" by the Department of Consumer Affairs' Office of Professional Examination Services, dated April 2021.

(c) As used in this section, "criterion-referenced passing score" is a passing score for the examination established by the modified Angoff standard setting method. This method includes the use of OA permitholders and a test development specialist and determines through evaluation and rating of each exam question that the passing score represents entry level competence to practice in the profession as specified in subsection (b).

NOTE: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1750.2, 1743, 1752.1 and 1753, Business and Professions Code.

§ 1081.4 Dental Sedation Assistant Written Examination.

(a) Prior to issuance of a permit, an applicant for a permit as a dental sedation assistant ("DSA") shall complete and achieve a criterion-referenced passing score on the Board's Dental Sedation Assistant Examination ("examination"). The examination is a written, task-oriented examination encompassing the knowledge, skills and abilities necessary to competently perform the duties of a DSA specified in Section 1750.5 of the Code,

including recognition of the duties assignable to a DSA and the settings in which they may be performed, knowledge of California and federal laws as they relate to the duties of DSAs, and the ability to recognize and apply ethical principles as they relate to the duties of DSAs.

(b) Such examination shall test applicants in any or all of the content areas, tasks, and associated knowledge statements listed in the Board's "Dental Sedation Assistant Examination Outline," issued August 2009, which is hereby incorporated by reference.

(c) As used in this section, "criterion-referenced passing score" is a passing score for the examination established by the modified Angoff standard setting method. This method includes the use of DSA permitholders and a test development specialist and determines through evaluation and rating of each exam question that the passing score represents entry level competence to practice in the profession as specified in subsection (b).

NOTE: Authority cited: Sections 1614, Business and Professions Code. Reference: Sections 1743, 1750.4, 1752.1 and 1753, Business and Professions Code.

§ 1082. RDH Written Examination.

~~Each applicant for licensure as an RDH shall successfully complete the National Board of Dental Examiner's examination for dental hygienists and shall submit confirmation thereof to the board in sufficient time for the board to receive it prior to the date set for the practical examination.~~

~~Note: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1614 and 1758, Business and Professions Code.~~

§ 1082.1. RDH Clinical Examination Requirements.

~~(a) Every applicant shall be given a clinical examination which shall consist of the examination of a patient, complete scaling of one or two quadrants (depending upon patient selection), and root planing. Scaling and root planing includes but is not limited to the complete removal of calculus, soft deposits and plaque, and smoothing of the unattached tooth surfaces. Unattached tooth surface means the portion of the crown and root surface to which no tissue is attached. Ultrasonic, sonic, handpiece or other mechanical scaling devices may be used only at the direction of the Board. If so permitted, an applicant who chooses to use an ultrasonic or sonic scaling device shall bring to the exam and use the services of an assistant to perform high volume evacuation at all times when the ultrasonic or sonic scaling device is being used. Only the services of a dental assistant or registered dental assistant shall be permitted.~~

~~The clinical examination shall be completed within a two-hour period. Such period shall commence with the acceptance or rejection of the initial patient presented by the applicant.~~

~~(b) One patient shall be provided by the applicant. If a patient is deemed unacceptable by the examiners, it is the applicant's responsibility to provide another patient who is acceptable. The applicant's ability to select an appropriate patient is considered part of the examination. An acceptable patient shall meet the criteria set forth in Section 1080.1 and the following additional criteria:~~

~~(1) Does not have extreme tissue or tooth sensitivity which would interfere with proper probing and exploring by examiners.~~

~~(2) Has at least one quadrant with the following:~~

~~(A) At least 6 natural teeth which are free of conditions which would interfere with evaluation, including but not limited to probing depths greater than 6mm, class 3 furcation, class 3 mobility, gross decay, faulty restorations, or full or partial veneer crowns. Crowns with smooth margins are acceptable. A patient will not be rejected because he/she has one tooth with a probing depth greater than 6mm.~~

~~(B) At least 3 of the natural teeth in the quadrant must be posterior teeth with interproximal pocket depths of 4 to 6mm. Two of these posterior teeth must be molars.~~

~~(C) Demonstrable, explorer detectable moderate to heavy subgingival calculus must be present on a majority of the subgingival tooth surfaces and there must be some subgingival calculus on every tooth. Explorer detectable moderate to heavy interproximal ledges must be present.~~

~~(c) If an applicant is unable to find a patient with one quadrant which meets the requirements of subsection (b)(2) above, the applicant may provide a patient in which those requirements can be found in two quadrants. An applicant who presents such a patient shall be required to scale all teeth in both quadrants in the same time allotted for scaling one quadrant.~~

~~(d) The applicant shall provide full mouth radiographs of the patient, which shall consist of 18 radiographs at least 4 of which must be bite-wing and the radiographs must be of diagnostic quality. All radiographs shall have been taken not more than one year prior to the examination at which they are presented.~~

~~(e) The applicant shall provide the following instruments:~~

~~(1) Color-coded Marquis-type periodontal probe.~~

~~(2) Sharp explorers.~~

~~(3) Clear-plane mouth mirror.~~

~~(4) Saliva ejector.~~

~~(5) All necessary armamentarium for local anesthesia, including an aspirating syringe.~~

~~(6) Any other scaling or root planing instruments which he/she intends to use.~~

~~(f) The applicant shall offer to the patient the option of the administration of local anesthetic in the area(s) to be scaled, except that anesthesia shall not be administered to both mandibular quadrants of a patient during the same day.~~

~~Note: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1614 and 1766, Business and Professions Code.~~

~~§ 1082.3. Supplemental Examinations in California Law and Ethics.~~

~~Prior to issuance of a license, an applicant for licensure as a registered dental hygienist shall successfully complete a supplemental written examination in California Law and Ethics.~~

~~(a) The examination on California law shall test the applicant's knowledge of California law as it relates to the practice of dental hygiene.~~

~~(b) The examination on ethics shall test the applicant's ability to recognize and apply ethical principles as they relate to the practice of dental hygiene.~~

~~(c) An examinee shall be deemed to have passed the examination if his/her score is at least 75% in each examination.~~

~~Note: Authority cited: Section 1614, Business and Professions Code. Reference: Sections 1749.1 and 1766, Business and Professions Code.~~

~~§ 1083. Passing Grades.~~

~~(a) Registered Dental Hygienist. Each applicant for licensure as a registered dental hygienist who attains a grade of 75% in the practical examination designated by the Board shall be considered as having passed the examination.~~

~~(b) Registered Dental Assistant. An applicant for licensure as a registered dental assistant shall be deemed to have passed the required examination only if the applicant has obtained a score of at least 75 on the written examination and at least 75% on the practical examination; provided, however, that an applicant who attains a grade of less than 75% in any single procedure shall be considered to have failed the entire practical examination.~~

~~(c) Registered Dental Assistant in Extended Functions. Each applicant for licensure as an RDAEF who attains a grade of at least 75% on each procedure in the examination shall be deemed to have passed the required examination.~~

~~(d) Registered Dental Hygienist in Extended Functions. Each applicant for licensure as an RDHEF who attains a grade of at least 75% on each procedure in the examination shall be deemed to have passed the required examination. A registered dental hygienist who has passed the RDAEF examination prior to December 31, 1991 shall be eligible for licensure as an RDHEF without further examination.~~

~~Note: Authority cited: Sections 1614 and 1762, Business and Professions Code.
Reference: Sections 1611, 1614, 1634, 1753, 1758 and 1759, Business and Professions Code.~~

DENTAL BOARD OF CALIFORNIA

OCCUPATIONAL ANALYSIS OF THE REGISTERED DENTAL ASSISTANT PROFESSION



June 2023



TABLE 14 – REGISTERED DENTAL ASSISTANT WRITTEN EXAMINATION OUTLINE

Content Area 1. ASSESSMENT AND DIAGNOSTIC RECORDS (15%). This area assesses the candidate's knowledge of reviewing information about a patient's history and oral conditions as they relate to dental treatment. This area also assesses the candidate's knowledge of assisting with diagnostic records and chart information related to dental treatment. These activities are performed under the supervision of a dentist.

Section	Tasks	Associated Knowledge Statements
1A. Patient Information and Assessment (8%)	T1. Review patient medical and dental history to identify conditions that may affect dental treatment.	K1. Knowledge of common medical conditions and medications that may affect treatment Knowledge of dental conditions that affect treatment. K2. Knowledge of types of oral health conditions that may affect treatment. K3. Knowledge of types of medical conditions that may require premedication for dental treatment. K4. Knowledge of the relationship between allergic reactions or sensitivities and dental materials. K5. Knowledge of methods for gathering information regarding patient medical and dental history.
	T2. Obtain patient's blood pressure and vital signs to determine current status.	K6. Knowledge of standards regarding blood pressure ranges based on patient age. K7. Knowledge of signs of elevated or dangerous blood pressure readings. K8. Knowledge of vital signs that should be obtained before treatment. K9. Knowledge of techniques for taking patient blood pressure and vitals.
	T3. Perform mouth mirror inspection of oral cavity to identify obvious lesions, existing restorations, and missing teeth.	K10. Knowledge of types of basic oral structures and dental anatomy. K11. Knowledge of types of occlusions and malocclusions. K12. Knowledge of signs of plaque, calculus, and stain formations in the oral cavity. K13. Knowledge of the effects of dietary habits on oral health. K14. Knowledge of effects of substance use on oral health. K15. Knowledge of the effects of smoking or tobacco use on oral health. K16. Knowledge of methods for performing mouth mirror inspections.

Content Area 1. ASSESSMENT AND DIAGNOSTIC RECORDS (15%), continued. This area assesses the candidate's knowledge of reviewing information about a patient's history and oral conditions as they relate to dental treatment. This area also assesses the candidate's knowledge of assisting with diagnostic records and chart information related to dental treatment. These activities are performed under the supervision of a dentist.

Section	Tasks	Associated Knowledge Statements
1B. Diagnostic Tests and Records (7%)	T4. Use caries detection materials and devices to gather information for dentist.	K17. Knowledge of types of devices and materials for detecting caries. K18. Knowledge of procedures for using caries detection devices and materials.
	T5. Obtain intraoral images of patient's mouth and dentition to be assist with milling of computer-aided design (CAD) restorations.	K19. Knowledge of techniques for taking intraoral diagnostic imaging. K20. Knowledge of techniques for patient management during imaging. K21. Knowledge of factors that impact digital imaging and quality.
	T6. Prepare patient for radiographs or cone-beam computed tomography (CBCT) to assist the dentist in determining oral conditions.	K22. Knowledge of types of radiographic imaging (i.e., panoramic, bitewing, FMX). K23. Knowledge of procedures for taking digital or conventional radiographs. K24. Knowledge of methods for patient management during radiograph procedures. K25. Knowledge of factors that impact radiographic imaging and quality.
	T7. Chart evaluation information to document oral conditions related to treatment.	K26. Knowledge of types of dental terminology and morphology. K27. Knowledge of universal numbering and Palmer quadrant notation systems. K28. Knowledge of methods for charting oral conditions.

Content Area 2. DENTAL PROCEDURES (50%). This area assesses the candidate's knowledge of providing registered dental assistant services related to patient treatment. This includes services related to placing direct and indirect provisional restorations, implementing preventative procedures, and performing tasks associated with specialty procedures. This area also assesses the candidate's knowledge of educating the patient about oral health and maintenance. These activities are performed under the supervision of a dentist.

Section	Tasks	Knowledge Statements
2A. Treatment Preparation (15%)	T8. Identify types and stages of treatment to prepare for dental procedures.	K29. Knowledge of types and stages of dental treatment. K30. Knowledge of methods for preparing tray and equipment set-up for dental procedures. K31. Knowledge of types of materials used in dental procedures.
	T9. Prepare instruments to facilitate use in dental treatment.	K32. Knowledge of types of dental instruments and their associated uses. K33. Knowledge of methods for preparing, handling, and storing dental instruments.
	T10. Select components and materials to be used in dental treatment.	K34. Knowledge of types of dental components and their functions. K35. Knowledge of types of materials used in dental treatment and their functions. K36. Knowledge of methods for selecting dental components and materials.
	T11. Isolate oral cavity to preserve integrity of restorative area.	K37. Knowledge of types of materials used to isolate restorative area. K38. Knowledge of types of techniques for isolating restorative area. K39. Knowledge of methods for isolating tooth or cavity preparations.
	T12. Place bases and liners to reduce irritation and microleakage.	K40. Knowledge of types of base and liner materials and their uses. K41. Knowledge of procedures for applying or placing bases and liners.
	T13. Place matrices and wedges to create a seal and form contacts during restorative procedures.	K42. Knowledge of types of wedges and their uses. K43. Knowledge of techniques for placing wedges during restorative procedures. K44. Knowledge of types of matrix bands and their uses. K45. Knowledge of techniques for placing matrix bands during restorative procedures.

Content Area 2. DENTAL PROCEDURES (50%), continued. This area assesses the candidate's knowledge of providing registered dental assistant services related to patient treatment. This includes services related to placing direct and indirect provisional restorations, implementing preventative procedures, and performing tasks associated with specialty procedures. This area also assesses the candidate's knowledge of educating the patient about oral health and maintenance. These activities are performed under the supervision of a dentist.

Section	Tasks	Knowledge Statements
2B. Direct and Indirect Restorations (10%)	T14. Place temporary filling material to protect tooth during transitional treatment.	K46. Knowledge of types of temporary filling materials and their uses. K47. Knowledge of techniques to mix, place, and contour temporary filling material.
	T15. Apply etchant to prepare tooth surface for direct and indirect restorations.	K48. Knowledge of types of etchants and their uses. K49. Knowledge of indications and contraindications for the use of etching agents. K50. Knowledge of techniques for applying etchants.
	T16. Place bonding agent to prepare tooth surface for restoration.	K51. Knowledge of types of bonding agents and their use. K52. Knowledge of indications and contraindications for the use of bonding agents. K53. Knowledge of techniques for applying bonding agents.
	T17. Fabricate indirect provisional restorations to protect tooth during restoration processes	K54. Knowledge of types of materials used for indirect provisional restorations. K55. Knowledge of techniques for fabricating indirect provisional restorations.
	T18. Adjust indirect provisional restorations to ensure proper fit.	K56. Knowledge of methods for evaluating occlusion, margins, and contact discrepancies of indirect provisional restorations. K57. Knowledge of techniques for adjusting indirect provisional restorations.
	T19. Cement indirect provisional restorations to provide coverage of tooth preparation.	K58. Knowledge of types of cements and their use. K59. Knowledge of techniques for placing and removing indirect provisional restorations. K60. Knowledge of techniques for mixing provisional materials.
	T20. Place and adjust direct provisional restorations to ensure proper fit.	K61. Knowledge of methods for evaluating occlusion, margins, and contact discrepancies of direct provisional restorations. K62. Knowledge of techniques for adjusting direct provisional restorations.
	T21. Finish direct provisional restorations to provide a smooth surface or prevent irritation.	K63. Knowledge of techniques for finishing direct provisional restorations. K64. Knowledge of the effects of improper or incomplete finishing of direct restorations.

T22. Remove excess cement from surfaces of teeth to prevent irritation.

K65. Knowledge of instruments used to remove cement from teeth surfaces.

K66. Knowledge of signs of irritation associated with residual cement.

T23. Assist in the administration of nitrous oxide and oxygen to provide analgesia or sedation when ordered by a dentist.

K67. Knowledge of procedures for the use and care of equipment used to administer oxygen and nitrous oxide and oxygen.

K68. Knowledge of signs of medical emergencies associated with the use of nitrous oxide.

Content Area 2. DENTAL PROCEDURES (50%), continued. This area assesses the candidate's knowledge of providing registered dental assistant services related to patient treatment. This includes services related to placing direct and indirect provisional restorations, implementing preventative procedures, and performing tasks associated with specialty procedures. This area also assesses the candidate's knowledge of educating the patient about oral health and maintenance. These activities are performed under the supervision of a dentist.

Section	Tasks	Knowledge Statements
2C. Preventative and Aesthetic Procedures (10%)	T24. Perform coronal polishing to remove plaque and extrinsic stains from surfaces of teeth.	K69. Knowledge of techniques for performing coronal polishing. K70. Knowledge of indications and contraindications for performing coronal polishing.
	T25. Apply pit and fissure sealants to prevent dental caries.	K71. Knowledge of types of pit and fissure sealants and their uses. K72. Knowledge of factors that impact retention of pit and fissure sealants. K73. Knowledge of indications and contraindications for using pit and fissure sealants. K74. Knowledge of techniques for applying pit and fissure sealants.
	T26. Perform in-office bleaching to whiten teeth.	K75. Knowledge of types of bleaching agents and their use. K76. Knowledge of indications and contraindications for using bleaching agents. K77. Knowledge of techniques for applying bleaching agents.

Content Area 2. DENTAL PROCEDURES (50%), continued. This area assesses the candidate's knowledge of providing registered dental assistant services related to patient treatment. This includes services related to placing direct and indirect provisional restorations, implementing preventative procedures, and performing tasks associated with specialty procedures. This area also assesses the candidate's knowledge of educating the patient about oral health and maintenance. These activities are performed under the supervision of a dentist.

Section	Tasks	Knowledge Statements
2D. Patient Education (10%)	T27. Educate patients about oral hygiene to promote dental health.	K78. Knowledge of the effects of poor oral hygiene and care related to dental health. K79. Knowledge of methods for educating patients about oral hygiene.
	T28. Provide patients with pre- and post-treatment instructions to promote patient compliance.	K80. Knowledge of symptoms patients may encounter after treatment. K81. Knowledge of techniques for pain management after treatment. K82. Knowledge of methods for educating patients about pre- and post-treatment instructions.
	T29. Educate patients about dietary recommendations to promote oral health.	K83. Knowledge of the effects of foods and beverages on oral health. K84. Knowledge of methods for educating patients about dietary recommendations related to oral health and dental treatment.

Content Area 2. DENTAL PROCEDURES (50%), continued. This area assesses the candidate's knowledge of providing registered dental assistant services related to patient treatment. This includes services related to placing direct and indirect provisional restorations, implementing preventative procedures, and performing tasks associated with specialty procedures. This area also assesses the candidate's knowledge of educating the patient about oral health and maintenance. These activities are performed under the supervision of a dentist.

Section	Tasks	Knowledge Statements
2E. Specialty Procedures (5%)	T30. Test pulp vitality to identify baseline pulp health or level of pain.	K85. Knowledge of the relationship between pain responses and pulp vitality. K86. Knowledge of methods for testing pulp vitality.
	T31. Dry canals with absorbent points to assist with endodontic treatment.	K87. Knowledge of techniques for using absorbent points to dry canals.
	T32. Place periodontal dressings to protect extraction and periodontal surgical sites.	K88. Knowledge of types of periodontal dressings and their use. K89. Knowledge of the relationship between dressing medicaments and post-surgical healing. K90. Knowledge of signs of dry socket that require the attention of a dentist. K91. Knowledge of signs of infection or irritation associated with periodontal and surgical dressings. K92. Knowledge of techniques for applying dressings to surgical sites.
	T33. Place archwires to move teeth to dentist's prescribed position.	K93. Knowledge of the types of archwires and their functions. K94. Knowledge of methods for placing archwires. K95. Knowledge of types of instruments used to place orthodontic archwires.
	T34. Place ligatures to connect archwires to orthodontic brackets.	K96. Knowledge of types of ligatures and their functions. K97. Knowledge of techniques for placing ligatures based on dentist's instructions. K98. Knowledge of types of instruments used to place orthodontic ligatures.
	T35. Remove post-extraction and post-surgical sutures as directed by dentist.	K99. Knowledge of techniques for removing post-surgical sutures.
	T36. Adjust removable prosthetic appliances extraorally to verify fit or retention.	K100. Knowledge of types of removable prosthetic appliances and their functions. K101. Knowledge of methods for verifying removable prosthetic appliance fit or retention. K102. Knowledge of techniques for adjusting prosthetic appliances extraorally.

Content Area 3. INFECTION CONTROL AND HEALTH AND SAFETY (25%). This area assesses the candidate's knowledge of maintaining a safe and sanitary work environment and to adhere to infection control protocols and standard precautions.

Section	Tasks	Associated Knowledge Statements
3A. Patient Safety and Prevention of Disease Transmission (15%)	T37. Provide patient with safety precautions to ensure protection during dental treatment.	K103. Knowledge of methods for using safety precautions with patients. K104. Knowledge of types of safety equipment for protecting patients. K105. Knowledge of techniques for protecting patients during diagnostic tests and imaging.
	T38. Use pre-procedural barriers, air evacuation systems, and rinse techniques to prevent the spread of disease through aerosol, droplets, and splatter.	K106. Knowledge of equipment for providing protective barriers and air evacuation systems. K107. Knowledge of techniques for using barriers, air evacuation systems, and rinses. K108. Knowledge of types of infectious diseases and their modes of transmission.
	T39. Sanitize hands according to protocols to prevent the transmission of diseases.	K109. Knowledge of techniques for sanitizing hands during dental treatments. K108. Knowledge of types of infectious diseases and their modes of transmission.
	T40. Wear personal protective equipment to prevent contamination.	K110. Knowledge of techniques for using personal protective equipment. K108. Knowledge of types of infectious diseases and their modes of transmission.
	T41. Adhere to infectious disease prevention protocols to reduce risk of disease transmission.	K111. Knowledge of techniques for preventing the spread of infectious diseases. K112. Knowledge of types of disinfecting and sterilizing agents used to prevent the spread of infectious diseases. K108. Knowledge of types of infectious diseases and their modes of transmission.
	T42. Identify signs of medical emergencies to address situations that require immediate intervention.	K113. Knowledge of signs of allergic reaction or anaphylactic shock. K114. Knowledge of signs of medical crisis or emergency. K115. Knowledge of methods for obtaining emergency medical assistance. K116. Knowledge of methods for administering emergency first aid and CPR.

Content Area 3. INFECTION CONTROL AND HEALTH AND SAFETY (25%), continued. This area assesses the candidate's knowledge of maintaining a safe and sanitary work environment and to adhere to infection control protocols and standard precautions.

Section	Tasks	Associated Knowledge Statements
3B. Equipment Disinfection and Cross-Contamination Prevention (10%)	T43. Disinfect treatment area and equipment to prepare for or complete dental treatment.	K117. Knowledge of methods for disinfecting treatment areas and equipment. K118. Knowledge of barrier techniques for protecting treatment areas and equipment. K119. Knowledge of methods for monitoring dental waterlines and water quality. K120. Knowledge of methods for disinfecting evacuation lines. K121. Knowledge of types of disinfecting and sterilizing agents used to prevent the spread of infectious diseases.
	T44. Sterilize instruments to prevent patient-to-patient disease transmission.	K122. Knowledge of types of sterilization processes and related equipment. K123. Knowledge of procedures for sterilizing instruments. K124. Knowledge of techniques for storing instruments before and after sterilization.
	T45. Adhere to disposal safety protocols to discard of contaminated materials or sharps.	K125. Knowledge of techniques for the safe disposal of contaminated materials. K126. Knowledge of techniques for the safe disposal of sharps.

Content Area 4. LAWS AND REGULATIONS (10%). This area assesses the candidate's knowledge of laws and regulations regarding licensing requirements, scope of practice, professional conduct, and professional responsibilities.

Tasks	Associated Knowledge Statements
T46. Comply with laws regarding consent to respect patients' right to make informed treatment decisions.	K127. Knowledge of laws regarding patient consent.
T47. Comply with Health Insurance Portability and Accountability Act (HIPAA) laws to respect patient right to privacy in dental health care delivery.	K128. Knowledge of laws related to the Health Insurance Portability and Accountability Act (HIPAA).
T48. Report instances of suspected abuse, neglect, and exploitation to protect vulnerable populations.	K129. Knowledge of signs of child abuse or neglect. K130. Knowledge of signs of dependent adult abuse, neglect, or exploitation. K131. Knowledge of signs of elder adult abuse, neglect, or exploitation. K132. Knowledge of methods for reporting child, elder, or dependent adult abuse.
T49. Comply with laws about record-keeping to document, store, and dispose of patient charts or records.	K133. Knowledge of legal standards for patient record-keeping and documentation. K134. Knowledge of laws regarding the storage and disposal of patient charts or records.
T50. Comply with laws about professional conduct to maintain professional integrity.	K135. Knowledge of laws regarding professional conduct.
T51. Comply with laws about scope of practice to maintain professional boundaries.	K136. Knowledge of laws regarding scope of practice.

DENTAL BOARD OF CALIFORNIA

OCCUPATIONAL ANALYSIS OF THE REGISTERED DENTAL ASSISTANT IN EXTENDED FUNCTIONS PROFESSION



October 2021



TABLE 16 – REGISTERED DENTAL ASSISTANT IN EXTENDED FUNCTIONS WRITTEN EXAMINATION OUTLINE

1. PRELIMINARY PATIENT EVALUATIONS (25%) – This area assesses the candidate’s knowledge of evaluating the patients’ medical and dental history and identifying conditions that may impact treatment. This area also assesses the candidate’s knowledge of preparing diagnostic records and charting conditions or oral abnormalities related to treatment. These functions are performed under the supervision of a licensed dentist.

Section	Task Statements	Knowledge Statements
1A. Patient Information and Evaluations (18%)	T1. Review patient medical and dental history to identify conditions that may affect treatment.	K1. Knowledge of types of common medical conditions or medications that affect treatment. K2. Knowledge of dental conditions that affect treatment. K3. Knowledge of methods for collecting information about patient medical and dental history.
	T2. Evaluate patient’s oral health under dentist’s direction to assist with overall patient assessment.	K4. Knowledge of methods for evaluating conditions of the oral cavity. K5. Knowledge of signs of decay or stain formations that cause oral health problems. K6. Knowledge of signs of periodontal disease. K7. Knowledge of effects of dietary habits on oral health. K8. Knowledge of effects of substance use on oral health. K9. Knowledge of effects of smoking or tobacco use on oral health.
	T3. Conduct a preliminary myofunctional evaluation of the head and neck to identify function of oral and facial muscles.	K10. Knowledge of types of muscles and physiological structures in the head and neck. K11. Knowledge of techniques for performing evaluations of myofunction of the head and neck. K12. Knowledge of signs of abnormal or limited myofunction of the head and neck. K13. Knowledge of signs of temporal mandibular dysfunction.
	T4. Perform intraoral and extra-oral evaluation of soft tissue to identify conditions related to patient’s oral health.	K14. Knowledge of types of anatomical structures and landmarks of the oral cavity. K15. Knowledge of signs of healthy hard and soft tissue. K16. Knowledge of signs of intraoral and extra-oral pathology. K17. Knowledge of methods for performing intraoral and extra-oral evaluations. K18. Knowledge of the relationship between facial or oral abnormalities and dental problems.
	T5. Determine classification of occlusions and malocclusions to identify the relationships of the maxillary and mandibular teeth.	K19. Knowledge of classifications of occlusion and malocclusion. K20. Knowledge of effects of occlusion and malocclusion on oral health.

1. PRELIMINARY PATIENT EVALUATIONS (25%), continued – This area assesses the candidate’s knowledge of evaluating the patient’s medical and dental history and identifying conditions that may impact treatment. This area also assesses the candidate’s knowledge of preparing diagnostic records and charting conditions or oral abnormalities related to treatment. These functions are performed under the supervision of a licensed dentist.

Section	Task Statements	Knowledge Statements
1B. Imaging and Documentation (7%)	T6. Determine type of imaging needed to assist in gathering diagnostic information.	K21. Knowledge of types of radiographic imaging. K22. Knowledge of criteria for determining type of digital or X-ray images to be performed.
	T7. Chart oral conditions to document patient characteristics for treatment.	K23. Knowledge of types of dental nomenclature and morphology. K24. Knowledge of universal numbering and Palmer quadrant notation systems. K25. Knowledge of methods for charting oral conditions and problems.

2. TREATMENT PROCEDURES (57%) – This area assesses the candidate's knowledge of preparing for and providing treatment services. These services include preparing for and taking final impressions and activities related to placing and finishing direct and indirect restorations that restore tooth form and function. These functions are performed under the supervision of a licensed dentist.

Section	Task Statements	Knowledge Statements
2A. Tissue Retraction and Final Impression Procedures (18%)	T8. Evaluate patient periodontal or medical conditions to identify contraindications for chemical retraction.	K26. Knowledge of types of periodontal conditions contraindicated for chemical retraction. K27. Knowledge of types of medical conditions contraindicated for chemical retraction.
	T9. Select retraction cord or retraction material to displace tissue.	K28. Knowledge of types of chemical compounds associated with impregnated cords. K29. Knowledge of physiological effects of chemical compounds used in cord retraction. K30. Knowledge of types of retraction cords and their sizing. K31. Knowledge of criteria for selecting retraction cords based on clinical indications. K32. Knowledge of types of retraction pastes. K33. Knowledge of criteria for selecting retraction paste based on clinical indications.
	T10. Place retraction cord or retraction paste to prepare tissue for impression procedures.	K34. Knowledge of techniques for placing retraction cords or retraction paste. K35. Knowledge of types of instruments used to place retraction cords or retraction paste.
	T11. Observe patient during retraction process to monitor tissue or physiological responses.	K36. Knowledge of signs of irritation or tissue damage during cord retraction. K37. Knowledge of techniques for managing irritation or tissue damage in response to cord retraction.
	T12. Remove retraction cord according to guidelines to prevent soft tissue damage.	K38. Knowledge of the relationship between retraction time and periodontal response. K39. Knowledge of techniques for removing retraction cords. K40. Knowledge of methods for preventing tissue damage during cord removal.
	T13. Take final impression to capture oral conditions for fixed indirect restorations.	K41. Knowledge of techniques for taking final impressions. K42. Knowledge of methods for managing sulcular fluids during final impressions. K43. Knowledge of methods for managing impression materials and conditions that impact quality of impression.
	T14. Take final impression to capture oral conditions for tooth-borne removable prosthesis.	K41. Knowledge of techniques for taking final impressions. K43. Knowledge of methods for managing impression materials and conditions that impact quality of impression.

2. TREATMENT PROCEDURES (57%), continued – This area assesses the candidate's knowledge of preparing for and providing treatment services. These services include preparing for and taking final impressions and activities related to placing and finishing direct and indirect restorations that restore tooth form and function. These functions are performed under the supervision of a licensed dentist.

Section	Task Statements	Knowledge Statements
2B. Direct and Indirect Restorations (34%)	T15. Isolate oral cavity to preserve integrity of restorative area.	K44. Knowledge of techniques for isolating restorative area. K45. Knowledge of types of devices and materials used to isolate restorative area.
	T16. Select materials for direct restoration to address clinical indications.	K46. Knowledge of types of material used for direct restorations and their indications. K47. Knowledge of methods for selecting material based on location and type of direct restoration. K48. Knowledge of contraindications associated with direct restoration materials.
	T17. Place and contour direct restorations to restore proper tooth form, function, and margins.	K49. Knowledge of techniques for placing and contouring direct restorations. K50. Knowledge of methods for evaluating form and function of direct restorations.
	T18. Adjust direct restorations to customize them to patient's oral conditions.	K51. Knowledge of methods for evaluating occlusion, margins, and contact discrepancies. K52. Knowledge of techniques for adjusting direct restorations.
	T19. Finish direct restorations to provide a smooth surface or prevent irritation.	K53. Knowledge of techniques for finishing and polishing direct restorations. K54. Knowledge of effects of improper or incomplete finishing and polishing.
	T20. Adjust indirect restorations to ensure proper fit.	K55. Knowledge of techniques for adjusting indirect restorations.
	T21. Cement final indirect restorations to restore tooth function.	K56. Knowledge of types of cement and their indications. K57. Knowledge of techniques for cementing indirect restorations. K58. Knowledge of types of instruments used to cement indirect restorations.
	T22. Remove excess subgingival cement to prevent periodontal infection or inflammation.	K59. Knowledge of techniques for removing subgingival cement. K60. Knowledge of instruments used to remove subgingival cement. K61. Knowledge of signs of infection or inflammation associated with residual subgingival cement.
	T23. Identify factors impacting proper placement of restorations to prevent damage or decay.	K62. Knowledge of the relationship between occlusion and potential for damage or decay. K63. Knowledge of signs of postoperative complications.
	T24. Recognize conditions requiring additional attention to involve dentist in evaluation of preparation.	K64. Knowledge of enamel and oral histology. K65. Knowledge of types of preparation characteristics associated with indirect restorations.
	T25. Select endodontic master and accessory points to fill canal.	K66. Knowledge of materials associated with master and accessory points.

2. TREATMENT PROCEDURES (57%), continued – This area assesses the candidate's knowledge of preparing for and providing treatment services. These services include preparing for and taking final impressions and activities related to placing and finishing direct and indirect restorations that restore tooth form and function. These functions are performed under the supervision of a licensed dentist.

Section	Task Statements	Knowledge Statements
2C. Treatment Specialty Area (5%)	T26. Verify size of master points to ensure proper cone fit for canal.	K67. Knowledge of techniques for fitting master points and accessory points.
	T27. Cement endodontic master and accessory points to seal canal.	K68. Knowledge of types of endodontic cement material. K69. Knowledge of techniques for cementing endodontic master and accessory points.

3. HEALTH AND SAFETY (8%) – This area assesses the candidate’s knowledge of maintaining a safe and sanitary work environment and adhering to infection control protocols and standard precautions.

Task Statements	Knowledge Statements
T28. Identify signs of medical emergencies to address situations that require immediate intervention.	K70. Knowledge of signs of allergic reaction or anaphylactic shock. K71. Knowledge of signs of medical crisis or emergency. K72. Knowledge of methods for administering emergency first aid and Basic Life Support (BLS).
T29. Implement safety precautions to minimize risk to patient and dental health care personnel during treatment.	K73. Knowledge of guidelines for providing for patient safety during dental health care procedures. K74. Knowledge of guidelines for providing for health care personnel safety during dental health care procedures. K75. Knowledge of types of adverse events or injury that can result from inadequate safety dental health care precautions.
T30. Implement infection prevention and control procedures to mitigate disease transmission during dental treatment.	K76. Knowledge of types of infections or communicable diseases and their route of transmission. K77. Knowledge of methods for preventing the spread of infectious and communicable pathogens. K78. Knowledge of guidelines for sterilization and disinfection in dental health care delivery.
T31. Implement protocols regarding hazardous or medical waste to manage materials used or generated during dental treatment.	K79. Knowledge of types of waste associated with dental treatments and their contamination potential. K80. Knowledge of guidelines for handling and disposing of hazardous or medical waste materials.

4. LAWS AND REGULATIONS (10%) – This area assesses the candidate's knowledge of laws and regulations regarding licensing requirements, scope of practice, professional conduct, and professional responsibilities.

Task Statements	Knowledge Statements
T32. Comply with laws regarding consent to respect patients' right to make informed treatment decisions.	K81. Knowledge of laws regarding patient consent.
T33. Comply with Health Insurance Portability and Accountability Act (HIPAA) laws to respect patient right to privacy in dental health care delivery.	K82. Knowledge of laws related to the Health Insurance Portability and Accountability Act (HIPAA).
T34. Report instances of suspected abuse, neglect, and exploitation to protect vulnerable populations.	K83. Knowledge of signs of child abuse or neglect. K84. Knowledge of signs of dependent adult abuse, neglect, or exploitation. K85. Knowledge of signs of elder adult abuse, neglect, or exploitation. K86. Knowledge of methods for reporting child, elder, or dependent adult abuse.
T35. Comply with laws about record-keeping to document, store, and dispose of patient charts or records.	K87. Knowledge of legal standards for patient record-keeping and documentation. K88. Knowledge of laws regarding the storage and disposal of patient charts or records.
T36. Comply with laws about professional conduct to maintain professional integrity.	K89. Knowledge of laws regarding professional conduct.
T37. Comply with laws about scope of practice to maintain professional boundaries.	K90. Knowledge of laws regarding scope of practice.

DENTAL BOARD OF CALIFORNIA

OCCUPATIONAL ANALYSIS OF THE ORTHODONTIC ASSISTANT PRACTICE



April 2021

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TABLE 13 – ORTHODONTIC ASSISTANT EXAMINATION OUTLINE

1. Patient Information and Diagnostic Records (10%) – This area assesses the candidate’s ability to review information about a patient’s history and oral conditions as they relate to orthodontic treatment. This area also assesses the candidate’s ability to assist with diagnostic records and to chart information related to orthodontic treatment. These activities are performed under the supervision of a dentist or orthodontist.

Section	Tasks	Associated Knowledge Statements
1A. Review Patient Information (6%)	T1. Review information about patient history to identify conditions that may affect orthodontic treatment.	K1. Knowledge of common medical conditions or medications that affect orthodontic treatment. K2. Knowledge of oral conditions that impact orthodontic treatment. K3. Knowledge of methods for collecting information about patient history.
	T2. Review extraoral and intraoral conditions or abnormalities to determine implications for orthodontic treatment.	K4. Knowledge of classifications of occlusion and malocclusion. K5. Knowledge of the relationship between facial or oral abnormalities and orthodontic problems. K6. Knowledge of the effects of diet and personal habits on orthodontic problems. K7. Knowledge of the relationship between speech patterns and orthodontic problems.
	T3. Chart patient information to document orthodontic treatment.	K8. Knowledge of universal numbering and Palmer quadrant notation systems. K9. Knowledge of methods for charting oral conditions and problems. K10. Knowledge of methods for recording medical or dental history for use in treatment.
1B. Assist with Diagnostic Records (4%)	T4. Prepare patient for intraoral and extraoral radiographs or cone-beam computed tomography (CBCT) to assist the dentist in determining the position of teeth and jaw.	K11. Knowledge of types of radiographic imaging. K12. Knowledge of procedures for taking digital or conventional radiographs. K13. Knowledge of methods for patient management and safety during radiograph procedures. K14. Knowledge of factors that impact radiographic imaging and quality.
	T5. Obtain maxillary and mandibular impressions or digital scans to assist in preparing for treatment or appliance.	K15. Knowledge of types of impression instruments and materials. K16. Knowledge of methods for taking impressions and tray placement. K17. Knowledge of factors that impact impression quality. K18. Knowledge of methods for taking digital scans. K19. Knowledge of factors that impact digital scan quality.
	T6. Prepare bite registrations to index maxillary and mandibular arches.	K20. Knowledge of types of materials used in bite registrations. K21. Knowledge of methods for taking bite registrations. K22. Knowledge of techniques for bite registration cleanup and preparation for use.

2. Orthodontic Procedures (60%) – This area assesses the candidate’s ability to prepare for and to provide orthodontic assistant services. This includes services related to bonding, the placement and removal of orthodontic components, and use of auxiliaries. This area also assesses the candidate’s ability to educate the patient about oral health and orthodontic maintenance. These activities are performed under the supervision of an orthodontist.

Section	Tasks	Associated Knowledge Statements
2A. Treatment Preparation (9%)	T7. Identify types and stages of treatment to prepare for orthodontic procedures.	K23. Knowledge of types and stages of orthodontic treatment. K24. Knowledge of types of tooth movement achieved in orthodontic treatments. K25. Knowledge of processes and limitations involved in tooth movement.
	T8. Prepare instruments to facilitate use in orthodontic treatment.	K26. Knowledge of types of orthodontic instruments and their associated uses. K27. Knowledge of methods for preparing, caring for, and storing orthodontic instruments.
	T9. Select components and materials to be used in orthodontic appliance or auxiliaries.	K28. Knowledge of types of orthodontic components and their functions. K29. Knowledge of types of auxiliaries and their functions. K30. Knowledge of methods for selecting orthodontic components or auxiliaries based on dentist’s instructions. K31. Knowledge of types of bonding materials. K32. Knowledge of methods for selecting bonding materials based on dentist’s instructions.
2B. Orthodontic Bands and Brackets (20%)	T10. Place separators to create space for orthodontic bands.	K33. Knowledge of types of orthodontic separators and their functions. K34. Knowledge of types of instruments used to place orthodontic separators. K35. Knowledge of techniques for placing orthodontic separators. K36. Knowledge of signs of tissue irritation or infection associated with orthodontic appliances.
	T11. Place bands to attach orthodontic appliance parts or auxiliaries.	K37. Knowledge of types of orthodontic bands and their functions. K38. Knowledge of methods for fitting orthodontic bands. K39. Knowledge of methods for cementing orthodontic bands. K40. Knowledge of factors that impact adhesion of orthodontic components. K41. Knowledge of methods for removing excess cement from supragingival surfaces. K42. Knowledge of types of instruments used to place orthodontic bands. K36. Knowledge of signs of tissue irritation or infection associated with orthodontic appliances.
	T12. Pre-position orthodontic brackets to facilitate movement of teeth to prescribed position.	K43. Knowledge of types of orthodontic brackets and their functions. K44. Knowledge of methods for placing brackets based on dentist’s instructions. K45. Knowledge of methods for bonding orthodontic brackets. K40. Knowledge of factors that impact adhesion of orthodontic components. K46. Knowledge of methods for removing excess bonding material from surfaces of teeth. K47. Knowledge of types of instruments used to place orthodontic brackets. K36. Knowledge of signs of tissue irritation or infection associated with orthodontic appliances.

2. Orthodontic Procedures (60%) (continued) – This area assesses the candidate’s ability to prepare for and to provide orthodontic assistant services. This includes services related to bonding, the placement and removal of orthodontic components, and use of auxiliaries. This area also assesses the candidate’s ability to educate the patient about oral health and orthodontic maintenance. These activities are performed under the supervision of an orthodontist.

Section	Tasks	Associated Knowledge Statements
2C. Orthodontic Archwires and Ligatures (20%)	T13. Place archwires to provide the force in moving teeth to prescribed position.	K48. Knowledge of the types of arch wires and their functions. K49. Knowledge of methods for placing archwires based on dentist’s instructions. K50. Knowledge of methods for terminating archwires. K51. Knowledge of types of instruments used to place orthodontic archwires. K36. Knowledge of signs of tissue irritation or infection associated with orthodontic appliances.
	T14. Place ligatures to connect wire to fixed orthodontic appliance.	K52. Knowledge of types of ligatures and their functions. K53. Knowledge of methods for placing ligatures based on dentist’s instructions. K54. Knowledge of types of instruments used to place orthodontic ligatures. K36. Knowledge of signs of tissue irritation or infection associated with orthodontic appliances.
22 2D. Auxiliaries, Appliances, and Post-treatment Procedures. (7%)	T15. Assist in the placement of intraoral or extraoral auxiliaries to increase effectiveness of braces.	K55. Knowledge of types of intraoral and extraoral auxiliaries and their functions. K56. Knowledge of methods for placing or fitting intraoral and extraoral auxiliaries based on dentist’s instructions. K57. Knowledge of types of instruments used to place intraoral and auxiliaries. K58. Knowledge of factors that impact the efficacy of intraoral and extraoral auxiliaries.
	T16. Remove orthodontic components to prepare for next treatment, phase, or completion.	K59. Knowledge of methods for removing orthodontic appliance components. K60. Knowledge of methods for removing orthodontic cement or bonding agents. K61. Knowledge of instruments used in the removal of orthodontic appliance components.
	T17. Check fixed or removable appliances to verify fit or retention.	K62. Knowledge of types of fixed or removable appliances and their functions. K63. Knowledge of methods for verifying fixed and removable appliances fit or retention.
	T18. Assist with post-treatment procedures to finalize or fine-tune orthodontic outcomes.	K64. Knowledge of types of post-treatment procedures and their functions. K65. Knowledge of types of instruments used in performing post-treatment procedures.

2. Orthodontic Procedures (60%) (continued) – This area assesses the candidate’s ability to prepare for and to provide orthodontic assistant services. This includes services related to bonding, the placement and removal of orthodontic components, and use of auxiliaries. This area also assesses the candidate’s ability to educate the patient about oral health and orthodontic maintenance. These activities are performed under the supervision of an orthodontist.

Section	Tasks	Associated Knowledge Statements
2E. Patient Education (4%)	T19. Educate patients about pre- and post-treatment instructions to promote compliance.	K66. Knowledge of symptoms patients may encounter following orthodontic treatment. K67. Knowledge of techniques for pain management following orthodontic treatment. K68. Knowledge of methods for educating patients about pre- and post-treatment instructions.
	T20. Educate patients about orthodontic hygiene and care to maintain oral health or prevent damage.	K69. Knowledge of the effects of poor hygiene and care related to orthodontics. K70. Knowledge of methods for educating patients about oral hygiene related to orthodontics.
	T21. Educate patients about appliance care to prevent damage.	K71. Knowledge of the effects of improper handling on orthodontic appliances. K72. Knowledge of methods for educating patients about orthodontic appliance care.
	T22. Educate patients about dietary recommendations to prevent damage to teeth or appliances.	K73. Knowledge of the effects of foods and beverages on orthodontic appliances and teeth. K74. Knowledge of methods for educating patients about dietary recommendations during orthodontic treatment.

3. Infection Control and Health and Safety (18%) – This area assesses the candidate's ability to maintain a safe and sanitary work environment and to adhere to infection control protocols and standard precautions.

Section	Tasks	Associated Knowledge Statements
3A. Patient Safety and Prevention of Disease Transmission (9%)	T23. Provide patient with safety precautions to enhance protection during orthodontic treatment.	K75. Knowledge of methods for using safety precautions with patients. K76. Knowledge of types of safety equipment for protecting patients. K77. Knowledge of techniques for protecting patients during diagnostic tests and imaging.
	T24. Implement barrier, evacuation, and rinse techniques to prevent the spread of disease through aerosol, droplets, and splatter.	K78. Knowledge of equipment for providing protective barriers and evacuation. K79. Knowledge of techniques for using barriers, evacuation, and rinses. K80. Knowledge of types of infectious diseases and their modes of transmission.
	T25. Sanitize hands according to protocols to prevent the transmission of diseases.	K81. Knowledge of techniques for sanitizing hands during orthodontic treatments. K80. Knowledge of types of infectious diseases and their modes of transmission.
	T26. Wear personal protective equipment to prevent contamination.	K82. Knowledge of techniques for using personal protective equipment. K80. Knowledge of types of infectious diseases and their modes of transmission.
	T27. Adhere to infectious disease prevention protocols to reduce risk of disease transmission.	K83. Knowledge of techniques for preventing the spread of infectious diseases. K80. Knowledge of types of infectious diseases and their modes of transmission.
	T28. Identify signs of medical emergencies to address situations that require immediate intervention.	K84. Knowledge of signs of allergic reaction or anaphylactic shock. K85. Knowledge of signs of medical crisis or emergency. K86. Knowledge of methods for obtaining emergency medical assistance. K87. Knowledge of methods for administering emergency first aid and CPR.
3B. Equipment Disinfection and Cross-Contamination Prevention (9%)	T29. Disinfect treatment area and equipment to prepare for or complete orthodontic treatment.	K88. Knowledge of methods for disinfecting treatment areas and equipment. K89. Knowledge of barrier techniques for protecting treatment areas and equipment. K90. Knowledge of methods for monitoring dental waterlines and water quality. K91. Knowledge of methods for disinfecting evacuation lines.
	T30. Sterilize orthodontic instruments to prevent patient-to-patient disease transmission.	K92. Knowledge of types of sterilization processes. K93. Knowledge of methods for sterilizing instruments. K94. Knowledge of techniques for storing instruments before and after use.
	T31. Adhere to disposal safety protocols to discard contaminated materials or sharps.	K95. Knowledge of techniques for the safe disposal of contaminated materials. K96. Knowledge of techniques for the safe disposal of sharps.

4. Laws and Regulations (12%) – This area assesses the candidate’s knowledge of laws and regulations regarding permit requirements, scope of practice, professional conduct, and professional responsibilities.

Section	Tasks	Associated Knowledge Statements
T32.	Comply with laws about consent to respect patients’ right to make informed treatment decisions.	K97. Knowledge of laws regarding patient consent.
T33.	Comply with Health Insurance Portability and Accountability Act (HIPAA) regulations to provide services that protects patients’ private health information.	K98. Knowledge of laws related to the Health Insurance Portability and Accountability Act (HIPAA).
T34.	Report instances of suspected abuse, neglect, and exploitation to protect vulnerable populations.	K99. Knowledge of signs of child abuse or neglect. K100. Knowledge of signs of dependent adult abuse, neglect, or exploitation. K101. Knowledge of signs of elder adult abuse, neglect, or exploitation. K102. Knowledge of methods for reporting child, elder, or dependent adult abuse.
T35.	Comply with laws about record-keeping to document, store, and dispose of patient charts or records.	K103. Knowledge of legal standards for patient record-keeping and documentation. K104. Knowledge of laws regarding the storage and disposal of patient charts or records.
T36.	Comply with laws about professional conduct to maintain professional integrity.	K105. Knowledge of laws regarding professional conduct.
T37.	Comply with laws about scope of practice to maintain professional boundaries.	K106. Knowledge of laws regarding scope of practice.

Dental Board of California
Dental Sedation Assistant Examination Outline

- I. **Patient Monitoring (40%)** – This area assesses the candidate’s ability to monitor patients undergoing conscious sedation or general anesthesia utilizing data from noninvasive instrumentation (i.e., pulse oximeters, electrocardiograms, capnography, blood pressure, pulse, and respiration rate monitoring devices) and visual signs and symptoms of patient’s physiological functioning.

Job Task	Associated Knowledge Statements
<p>T1. Monitor patient by utilizing physical and clinical signs related to levels of anesthesia. (8%)</p>	<p>K1. Knowledge of physical signs and symptoms of cardiovascular functions related to levels of anesthesia.</p> <p>K2. Knowledge of physical signs and symptoms of respiratory functions related to levels of anesthesia.</p> <p>K3. Knowledge of physical signs and symptoms of central and peripheral nervous system related to levels of anesthesia (i.e., levels of consciousness, etc.).</p> <p>K4. Knowledge of physical signs and symptoms of metabolic functions related to levels of anesthesia.</p> <p>K24. Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.</p>
<p>T2. Monitor patient by utilizing data from noninvasive devices related to levels of anesthesia. (32%)</p>	<p>T2A. Routine Physiological Changes (18%)</p>
	<p>K5. Knowledge of noninvasive devices and data utilized to monitor cardiovascular functions related to levels of anesthesia (i.e., EKG, BP monitor, etc.).</p> <p>K6. Knowledge of noninvasive devices and data utilized to monitor respiratory functions related to levels of anesthesia (i.e., pulse oximeter, capnography, precordial stethoscope, etc.).</p> <p>K7. Knowledge of noninvasive devices and data utilized to monitor metabolic functions related to levels of anesthesia (i.e., capnography, etc.).</p> <p>K24. Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.</p>
	<p>T2B. Dental Sedation Emergencies and Complications (14%)</p>
	<p>K8. Knowledge of physical signs and symptoms indicating complications or a medical emergency related to sedation (i.e., airway, respiratory, cardiovascular, neurological).</p> <p>K9. Knowledge of noninvasive device data indicating complications or a medical emergency.</p> <p>K24. Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.</p>

Dental Board of California
Dental Sedation Assistant Examination Outline

II. **Drug Identification and Draw (30%)** – This area assesses the candidate’s ability to identify and draw drugs, limited to identification of appropriate medications, ampule and vial handling in preparation for drug and medication draw, and withdrawing drugs of correct amount as verified by the supervising licensed dentist.

Job Task	Associated Knowledge Statements
<p>T3. Identify and verify drugs and medications ordered by the licensed provider. (20%)</p>	<p>K10. Knowledge of overview (pharmacology, contraindications, adverse reactions and characteristics, etc.) of classes of drugs and medications used in contemporary sedation and general anesthesia.</p> <p>K11. Knowledge of overview (pharmacology, contraindications, adverse reactions and characteristics, etc.) of classes of drugs and medications used in contemporary medical emergency treatment (i.e., reversal agents, oxygen, epinephrine, etc.).</p> <p>K12. Knowledge of procedures to identify and verify drugs and medications ordered (i.e., expiration date, concentration, generic versus brand name, etc.).</p> <p>K25. Knowledge of scope of practice and supervisory requirements related to identifying and verifying drugs.</p>
<p>T4. Draw drugs and medications ordered by the licensed provider. (10%)</p>	<p>K13. Knowledge of ampule and vial handling in preparation for drug and medication draw.</p> <p>K14. Knowledge of techniques and measurement for drug and medication drawing and syringe labeling.</p> <p>K15. Knowledge of characteristics of syringes and needles including use, types, gauges, lengths, and components.</p> <p>K26. Knowledge of scope of practice and supervisory requirements related to drawing drugs and medications.</p>

Dental Board of California
Dental Sedation Assistant Examination Outline

III. **Adding Drugs, Medications and Fluids to Intravenous Lines (22%)** – This area assesses the candidate’s ability to add drugs, medications, and fluids to intravenous lines using a syringe, provided that a supervising licensed dentist is present at the patient's chairside, limited to determining patency of intravenous line, selection of injection port, syringe insertion into injection port, occlusion of intravenous line and blood aspiration, line release and injection of drugs for appropriate time interval.

Job Task	Associated Knowledge Statements
T5. Add drugs, medications, and fluids to intravenous lines using a syringe. (12%)	K16. Knowledge of procedures and techniques for adding drugs, medications, and fluids to IV lines, including infusion and IV bolus, drug amounts and time intervals between doses. K17. Knowledge of armamentaria for adding drugs, medications and fluids to IV lines (i.e., injection ports, syringe types, etc.). K27. Knowledge of scope of practice and supervisory requirements related to administering drugs, medications and fluids.
T6. Determine patency of intravenous line. (10%)	K18. Knowledge of techniques to evaluate patency of IV lines. K19. Knowledge of recognition and management of IV related complications (patency, air in line, etc.). K20. Knowledge of armamentaria for IV set-ups, including types of fluid, IV lines, and connectors.

IV. **Removal of intravenous lines (8%)** – This area assesses the candidate’s ability to remove intravenous lines.

Job Task	Associated Knowledge Statements
T7. Remove intravenous lines. (8%)	K21. Knowledge of signs and symptoms of complications associated with IV site during removal. K22. Knowledge of procedures (timing, indications, etc.) for the removal of IV lines.