

# VETERINARY TECHNICIAN NATIONAL EXAMINATION

## CANDIDATE INFORMATION HANDBOOK



Please check [www.aavsb.org](http://www.aavsb.org) for the most updated VTNE information.

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## Introduction

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This candidate handbook is designed to be the main source of information for those applying to take the Veterinary Technician National Examination (VTNE). The handbook contains the essential information regarding eligibility requirements, application procedures and fees, appointment scheduling, examination content, and other important information and guidelines related to the examination.

The AAVSB recommends that candidates carefully read and understand all of the topics covered in this handbook. Candidates may also consult the AAVSB website ([www.aavsb.org](http://www.aavsb.org)) for additional information about the VTNE.

## About AAVSB

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The American Association of Veterinary State Boards (AAVSB) is a 501(c)3, nonprofit corporation dedicated to its overall objective and mission which is to provide quality resources for veterinary regulatory agencies, professionals, and allied groups in the interest of public protection.

The VTNE is one of AAVSB's major programs. AAVSB owns the examination and oversees its administration and development.

## About the VTNE

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### Purpose

The VTNE is designed and used to evaluate entry-level veterinary technicians' competency to practice and be credentialed and is constantly updated, reviewed and reevaluated by highly-qualified item writers so it remains a valid tool, useful in the evaluation of candidates for credentialing. Many jurisdictions require a passing score on the VTNE as one criterion for credentialing.

The VTNE program has three main objectives:

- Provide examination services to assist the state and provincial regulatory boards in their mission of protecting the public by ensuring applicants demonstrate a specific level of knowledge and skills before entering the profession as practitioners.
- Contribute to the development of an improved relationship between knowledge and professional practice.
- Provide a common standard for the evaluation of candidates that is comparable across jurisdictions.

### Development

The VTNE is a multiple-choice examination prepared under a contractual agreement between the AAVSB and the Professional Examination Service (PES).

The AAVSB is responsible for the annual development and validation of the VTNE. The VTNE Committee, under guidance provided by AAVSB and PES, ensures that the VTNE reflects current practice in the field of veterinary technology.

The VTNE Committee is comprised of representatives from:

- Association of Veterinary Technician Educators (AVTE)
- Canadian Association of Animal Health Technologists and Technicians (CAAHTT)
- Committee on Veterinary Technician Education and Activities (CVTEA)
- National Association of Veterinary Technicians in America (NAVTA)
- Veterinarians and veterinary technicians in private practice and education

Questions for the VTNE are written by veterinarians and veterinary technicians who represent all aspects of the profession, including educators, practitioners, members of specialty boards, and the national practice associations. Each newly written question is reviewed and validated by at least three experts in the field of veterinary medicine/technology for content relevance, importance, difficulty, and correctness. These questions are then reviewed and validated by psychometricians and editors to ensure conformity to psychometric principles and to rules of grammar and style.

Once a question is accepted following this validation process, it is placed into a computerized item-banking system. The questions for potential use on the VTNE are selected by the computer in accordance with the practice-based examination blueprint (test specifications, see Appendices 1A and 1B). The VTNE Committee then reviews the computer-generated test, item by item, making changes and substitutions as necessary. Following this review, the finished examination is prepared by PES.

## Content

The VTNE consists of 200 multiple-choice operational items and 25 multiple-choice pilot items derived from the test specifications. The candidate's score on the VTNE is based on the candidate's responses to 200 operational items; the remaining 25 pilot items embedded in the test will not count towards the candidate's score. The pilot questions will be used in constructing future examinations.

The VTNE examination covers:

- Seven (7) primary areas of responsibility (domains)
- Twenty-three (23) task area statements
- Forty-seven (47) knowledge area statements

The veterinary technology domains of practice are the major areas of responsibility deemed essential for an entry-level veterinary technician. The task area statements are specific goal directed actions undertaken by an entry-level veterinary technician within a particular veterinary technology domain of practice. The knowledge area statements are obtained from a job analysis study completed by AAVSB and PES every 5-7 years. The knowledge area statements consist of knowledge used across the seven domains of veterinary technician practice. A complete list of the veterinary technology practice

domains and task and knowledge area statements are presented within Appendices 1A and 1B.

## Administration

The computer-based VTNE is administered by AAVSB through Prometric at testing centers throughout the U.S and Canada. Please see [www.aavsb.org](http://www.aavsb.org) for current information about testing windows and application deadlines.

### VTNE Testing Windows

March 15 – April 15

July 15 – August 15

November 15-December 15

## Exam Security

The VTNE is the property of the AAVSB and is protected by federal copyright laws. It is a violation of those laws, and thus illegal, to share any information whatsoever about any VTNE question. In particular, sharing information about a VTNE question recalled from memory or asking someone who has taken the VTNE to share such information is illegal.

Below is the **Candidate Agreement** which you must agree to in order to complete the examination application. You will also see this agreement on the computer screen at the Prometric Testing Center.

I acknowledge and understand that the Veterinary Technician National Examination (VTNE) is owned by the American Association of Veterinary State Boards (AAVSB) and is protected under applicable intellectual property rights, including copyright protections. I further acknowledge and understand that the VTNE is a high stakes examination used by licensure and certification entities as one component of determining eligibility for a credential. I affirm that I am sitting for the VTNE solely for the purpose of seeking a credential.

Based upon the significance of the VTNE and acknowledging the legal rights, ownership and protections of the examination in AAVSB, I hereby agree that, with the exception of previous VTNE administrations, I have not had access to any part of VTNE examination questions and/or responses prior to this administration of the VTNE and that my responses to the questions on the VTNE will be based upon my knowledge, skills, and abilities, and not prior exposure to exam questions.

I further acknowledge and understand that I will not remove VTNE examination questions from the test center in any manner, including memorization, electronic downloads, recording devices, copying, or through any other means and I will not disseminate any such questions to any persons and in any manner whatsoever either before, during, and/or after taking the VTNE.

I understand and agree to the security and confidentiality of the VTNE and acknowledge that AAVSB has the right to investigate any alleged wrongdoing related to my administration of the VTNE and to take action to protect the integrity of the examination and the credential process, including but not limited to withholding or invalidating my examination score and refusing to allow access to future VTNE administrations.

## Preparing for the VTNE

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In order to prepare for the VTNE, candidates may wish to review the major areas to be tested. In addition, AAVSB provides an online practice test which assesses candidates' strengths and weaknesses in each of the seven content areas of the VTNE. The questions on the practice test are similar to the test questions on the actual examination and the passing score represents a similar standard to that of the actual examination. Performance on the practice test provides an indication of test readiness, but does not guarantee a similar result on the VTNE.

The VTNE Practice Test is presented online and the fee is \$45 per use. For information on the VTNE Practice Test, visit [www.aavsb.org](http://www.aavsb.org). To access the practice test, visit [www.testrac.com/aavsb/](http://www.testrac.com/aavsb/).

## Exam Application, Eligibility and Scheduling

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**AAVSB does not license, certify, or register veterinary technicians.**

The information provided is for the examination process only. To apply for a credential, contact the state or provincial agency in the jurisdiction where you are planning to work.

To take the VTNE, you must *apply and pay for the exam* **and** you must *apply for eligibility* to take the exam.

1. **Eligibility:** All candidates seeking to take the VTNE must be eligible to take the exam. The requirements for eligibility vary by the state or province through which a candidate wishes to take the exam.
2. **Applying:** Apply to take the exam with AAVSB. Payment for the exam is made when the application is submitted.
3. **Making the Appointment:** After the application and eligibility have been processed, candidates will be sent an email explaining how to make an examination appointment at a Prometric Testing Center which will determine the date, time, and location of the individual's exam.

It is best to keep all exam information received from AAVSB, PES and Prometric in one place and accessible. All of these organizations will be involved at different times in the exam application process.

Keep in mind for each testing window, there are deadlines for submitting an application and documentation. These deadlines are approximately 30 days prior to the start of the testing window.

<b>Testing Windows</b>	<b>Application and Document Deadline</b>
March 15 – April 15	February 15
July 15 – August 15	June 15
November 15 – December 15	October 15

## Eligibility

Eligibility to take the VTNE will be confirmed **after** submission of the application to AAVSB and **before** an Authorization to Test (ATT) letter is sent. The eligibility review will be conducted by either AAVSB or by the regulatory board indicated on the application. Please visit the AAVSB website at [www.aavsb.org](http://www.aavsb.org) for the most up-to-date information on where to send documentation.

AAVSB requires that candidates be a graduate of an American Veterinary Medical Association (AVMA) or Canadian Veterinary Medical Association (CVMA) accredited veterinary technology program or a program approved by the regulatory board of the jurisdiction that the candidates indicate on their applications.

## Applying to take the VTNE

Visit [www.aavsb.org](http://www.aavsb.org) and click the link provided to apply for the VTNE. When completing the application, the candidate's name should be entered exactly as it appears on the ID to be used at the testing center (see ID information in the box below). After completing the application, print a copy of the receipt page.

The VTNE examination fee includes the Prometric seat fee. Please see [www.aavsb.org](http://www.aavsb.org) for the current exam fee. AAVSB accepts Visa, MasterCard, and American Express.

### The ONLY acceptable ID:

A government issued (passport, driver's license, or national or military ID) in official language where testing center is located.

- Must be current—**expired not accepted!**
- Must include photo
- Name must match all exam application paperwork

## Special Accommodation Requests

AAVSB is committed to the principle of testing individuals in a manner that will yield valid and reliable examination results. In some instances, the examination administration procedures may need to be modified to provide reasonable accommodations for candidates with disabilities. If you have a documented disability covered under the U.S. Americans with Disabilities Act (ADA) or the Canadian Human Rights Act, first apply for the VTNE through the AAVSB website ([www.aavsb.org](http://www.aavsb.org)) and then complete the documentation required by either AAVSB or the state or province through which you are registering.

Candidates needing special accommodations who cannot use the on-line application should email [vettech@aavsb.org](mailto:vettech@aavsb.org) or call 1-877-698-8482, ext 228 to make other arrangements for submitting an application.

## Name, Mailing Address or Email Address Changes

If your name changes anytime after applying to take the exam, please contact AAVSB as soon as possible in writing either via [vettech@aavsb.org](mailto:vettech@aavsb.org) or by fax at 1-816-931-1604 with the information change. Please include the name as submitted on the application,

the new name as it appears on the proper ID, the telephone number and date of birth. **Please note: the name on the ID that you present at the testing center must match your application/registration documentation.**

Changes to mailing or email addresses must be made by logging into MyAAVSB. Please note: AAVSB must have a current email address on file as **all communication regarding the exam process is sent via email, including notifications regarding scores.**

### **Choosing a Time and Place to Take the Exam**

Upon completion of the application and approval of eligibility an Authorization-to-Test (ATT) letter will be sent by email from PES. For scheduling an examination appointment with special accommodations, please refer to the ATT letter for specific instructions.

**Please print and save the ATT letter as it explains scheduling VTNE appointments, provides contact information for confirming or changing appointments, and lists items to bring on the day of the exam.**

The VTNE is offered on a networked computer at a Prometric Testing Center. There are over 250 testing centers throughout the U.S. and Canada. Visit the Prometric website at [www.prometric.com/aavsb](http://www.prometric.com/aavsb) to locate a convenient testing site prior to scheduling an appointment. Most testing centers are open Monday through Saturday.

As the ATT letter explains, examination appointments must be scheduled in one of the following ways:

- Visiting Prometric’s website at [www.prometric.com/aavsb](http://www.prometric.com/aavsb) to schedule an appointment online; the website scheduling feature is accessible 24 hours a day
- OR
- Calling 1-800-869-1100 which is open Monday through Friday from 8:00am – 8:00pm Eastern Time.

The Eligibility or Candidate ID number is on the first page of the ATT letter so have the letter available when scheduling a VTNE appointment. An **Appointment Confirmation Number** will be sent to the email address on record. This number is required to confirm, reschedule, or cancel an appointment.

Candidates who wait to schedule an appointment within 48 hours of the close of the testing window **will not** be able to use the online option for scheduling appointments. The only option for scheduling within 48 hours of the close of the testing window is to call 1-800-869-1100. Note that a desirable time and location may not be available if scheduling is delayed.

#### ***Want the best time and date?***

AAVSB recommends that all appointments be scheduled upon receipt of the ATT letter to help assure availability of a desirable appointment time and location.

## Confirming Examination Appointments

It is recommended that examination appointments be confirmed within 48 hours of being made. Appointments can be confirmed online at [www.prometric.com/aavsb](http://www.prometric.com/aavsb) or by phone at 1-800-869-1100.

## Rescheduling Examination Appointments

To change an exam date or time *within the same exam window*, Prometrics must be contacted by 12:00pm (noon) Eastern Time at least 48 hours prior to your appointment using the Reschedule/Cancel option on the website ([www.prometric.com/aavsb](http://www.prometric.com/aavsb)) or by calling Prometric at 1-800-869-1100. The website is available 24 hours a day, 7 days a week. The call center is Monday through Friday from 8:00am – 8:00pm Eastern Time. Locations can also be changed by the above deadline, based on seat availability.

**There is no charge for changing an appointment within the same testing window if the change is made by 12:00pm (noon) 48 hours prior to your appointment.**

## Withdrawing an Application within the Allowed Timeframe

Candidates who have scheduled, then cancelled an examination appointment with Prometric by the deadline stated above AND those who have not scheduled an appointment with Prometric may request a refund minus an administration fee of \$50.00.

The following steps must be completed to withdraw your application. Candidates who do not have a scheduled examination appointment with Prometric should proceed directly to Step 2.

### *Step One*

- Candidates who have scheduled an examination appointment and wish to withdraw their application, must first cancel the appointment with Prometric by 12 p.m. (Noon) Eastern Time 48 hours before the scheduled appointment date. To cancel an examination appointment, contact Prometric at [www.prometric.com/aavsb](http://www.prometric.com/aavsb) or call 1-800-869-1100. After the examination appointment is cancelled, proceed to Step 2.

### *Step Two*

- To withdraw from the examination and request a refund, all candidates must notify AAVSB in writing of their intent to withdraw by contacting [vettech@aavsb.org](mailto:vettech@aavsb.org). Please include name, address, telephone number, and date of birth on the withdrawal request. This request can also be faxed to 1-816-931-1604.

## No-Shows

Candidates who do not appear for their scheduled, confirmed examination appointment **or** who do not cancel their appointment within the specified time frame (by 12:00pm (noon) Eastern Time 48 hours prior to the examination appointment) will be considered **no-shows**. Approved candidates who never schedule an appointment during the exam window for which they applied will also be considered **no-shows**.

### *Unexcused no-shows*

Candidates who do not have an excused cause for missing their examination appointment

will forfeit all fees.

Candidates who do not have a scheduled appointment with Prometric during the testing window selected on the application and who do not request to withdraw their application on or before the last date of the examination window will be considered no-shows and will forfeit all fees.

### ***Excused no-shows***

If you have an emergency (per the definition below) which made it impossible to keep your examination appointment, you may be eligible for a refund less the \$50.00 administrative fee. AAVSB may excuse absences due to a serious illness (either you or an immediate family member), death of an immediate family member, or a disabling traffic accident. Please call the AAVSB office immediately at 1-877-698-8482 if you think you have an excused absence. AAVSB will let you know what documentation will be required.

If AAVSB approves your request for an excused no-show, you will be granted a refund less the \$50.00 administrative fee. If your “no-show” request is not approved, you will be required to reregister and pay the full application fee to take the VTNE in the next testing window.

### **Refunds**

Examination fees paid for an exam not yet taken will be refunded upon written request (per the steps above) minus a \$50 administration fee.

#### **Refunds will not be issued in the following circumstances:**

- Applying/Registering for an exam and not taking the exam as scheduled due to lateness or “unexcused” absence.
- Applying/Registering for an exam and not cancelling your confirmed appointment with Prometric by 12 p.m. (Noon) Eastern Time 48 hours before your scheduled appointment date.
- Applying for an exam, being found eligible, but never scheduling an appointment for the exam.

### **Inclement Weather/Local or National Emergencies**

In the event of inclement weather or a local or national emergency, please contact Prometric at the number provided in your ATT letter or go to [www.prometric.com/sitestatus](http://www.prometric.com/sitestatus) to determine the appointment status. If the center is open, candidates are expected to arrive for their appointments or forfeit all fees. If the center is closed and appointments are canceled, candidates should wait two (2) business days before calling to reschedule their appointments.

## The Prometric Testing Center

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**ARRIVE AT THE PROMETRIC TESTING CENTER 30 MINUTES BEFORE YOUR SCHEDULED TESTING TIME.**

On the day of the exam, please arrive 30 minutes early to the testing center. Be sure to have an acceptable **ID** (see page 6 for the criteria for an acceptable ID) and the **Authorization-to-Test (ATT) letter**. Those arriving late *may* not be admitted to the testing center.

Please remember there will be other people at the testing center taking examinations (other than the VTNE) so typing on keyboards for an essay examination, coughing, and/or people entering and leaving the testing room may be heard. It is impossible to provide a completely noise-free testing environment. The Prometric test centers allow candidates to bring small earplugs that can be inserted inside the ear. Candidates are not allowed to bring in headsets or headphones. Earplugs are subject to inspection by the test center administrator before entry into the testing room is permitted. All testing sessions will be videotaped and audio-monitored.

Please review the rules for the Prometric Testing Centers at [www.prometric.com/aavsb](http://www.prometric.com/aavsb) and in the ATT letter.

### Taking the VTNE by Computer

A brief tutorial will be provided prior to the start of the examination to instruct candidates on how to mark and unmark answers and how to navigate through the examination. The timed portion of the examination will begin *after* the computer tutorial.

Candidates have four (4) hours in which to complete the VTNE. A clock that counts down the time remaining on the examination will appear on the screen throughout the entire testing session. When taking the examination, candidates can skip questions, change answers to questions, use the strike-through feature, and mark questions for review. Short breaks are allowed during the examination; however, the clock will continue to run during all break times.

Each question on the VTNE is a multiple-choice question that lists four choices, only one of which is the correct or best answer. Read the entire question and all four choices before marking an answer. There is no penalty for guessing, so candidates should answer all the questions, if possible.

An online calculator is available for use on any question on the examination. This calculator works the same way as the standard MS Windows calculator, so it is suggested that candidates practice with that.

**Additional features on the computer testing screen:**

- Count-down clock
- Online calculator
- Comment section for each question

Candidates will be given an erasable board to use for notes as “scratch paper.” No scratch paper can be brought into the testing center. The testing center staff will collect the erasable note board at the completion of the examination.

It is possible to make a comment on any question(s) on the exam. Please consider overall exam timing when making comments.

## **VTNE Scores**

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### **At the Testing Center**

Prior to leaving the Prometric Testing Center, candidates will view their preliminary Pass/Fail on the computer screen. These results are preliminary and unofficial, and candidates will **not** be able to print it out.

### **Score Report**

Approximately 3-4 weeks after taking the exam, the candidates will be sent an email notification to retrieve their official score report from MyAAVSB. The report is posted on MyAAVSB in a printable format. An official score report will also be sent to the provincial or state board the candidate indicated on the application. After receiving the official report, candidates may contact the provincial or state board to begin or complete the credentialing process.

Performance on the VTNE is reported in terms of scaled scores, not raw scores. After equating procedures are completed, raw scores are mathematically converted to scaled scores that can range from 200 to 800 with a passing scaled score of 425 or from 0 – 100 with a passing scale score of 75, depending on how the candidate’s state reports the results. Scaled scores are equivalent for all administrations so that the same standard is maintained from administration to administration. A scaled score of 425 (passing) is equal to a score of 75 in the jurisdictions which use those numbers for the passing score. Scaled scores are not “number correct” or “percent correct” scores.

### **Additional Score Review**

To ensure the accuracy of results, PES performs numerous quality assurance procedures before scoring the electronic examination file containing each candidate’s answers. It is extremely unlikely that a review of the electronic file will result in a change in an examination score.

Candidates may request a manual rescoring of the electronic examination file within 6 months of the examination date. Requests received after that time will not be honored. There is a \$50 fee for a manual rescoring. Contact AAVSB at [vettech@aavsb.org](mailto:vettech@aavsb.org) for information on how to submit a request.

## Score Transfer

AAVSB automatically reports VTNE results to the state or provincial board that were indicated on an application. This score report is included in the examination fee.

The AAVSB Veterinary Information Verifying Agency (VIVA) serves as a means of facilitating the transfer of veterinary and veterinary technicians' VTNE scores and license information between jurisdictions. The AAVSB Score Transfer Request Application can be found online at [www.aavsb.org](http://www.aavsb.org) under VTNE: Score Reporting.

The fee for a score transfer can be found on the AAVSB website and is paid by credit card at the end of the online application. The score reports are sent to the new state or provincial board in the format that the board or agency requires.

## Contact Information

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Below is the contact information for the interested parties of the VTNE.

**American Association of Veterinary State Boards (AAVSB)** – contact for questions regarding applying/registering, eligibility, and scores.

AAVSB  
VTNE Program  
380 West 22nd Street, Suite 101  
Kansas City, MO 64108  
Toll Free: 1-877-698-8482  
Fax: 1-816-931-1604  
Email: [vettech@aavsb.org](mailto:vettech@aavsb.org)  
Website: [www.aavsb.org](http://www.aavsb.org)

**Professional Examination Service (PES)** – contact regarding Authorization-to-Test letter and problems at a Prometric Testing Center.

PES  
Customer Service Department  
Veterinary Technician National Examination, VTNE (code 021)  
475 Riverside Drive, 6th Floor  
New York, NY 10115  
Toll Free: 1-866-744-4724  
Email: [aavsb@proexam.org](mailto:aavsb@proexam.org)

**Prometric** – contact to schedule your examination appointment and to reschedule or cancel a confirmed appointment.

Prometric  
VTNE Exam  
1501 South Client Street  
Baltimore, MD 21224  
Toll Free: 1-800-869-1100  
Website: [www.prometric.com/aavsb](http://www.prometric.com/aavsb)

# Appendices

## Appendix 1A

### LIST OF PRACTICE DOMAINS AND TASKS FOR THE VETERINARY TECHNICIAN NATIONAL EXAMINATION (VTNE)

VTNE PRACTICE DOMAINS	
Domains	% of Items
Domain 1. Pharmacy & Pharmacology	14
Domain 2. Surgical Prep. & Assisting	16
Domain 3. Dentistry	8
Domain 4. Laboratory Procedures	15
Domain 5. Animal Care and Nursing	24
Domain 6. Diagnostic Imaging	8
Domain 7. Anesthesia and Analgesia	15

(Task area statements appear on the pages that follow)

## Appendix 1A (continued)

### PRACTICE DOMAINS AND TASK STATEMENTS FOR THE VETERINARY TECHNICIAN NATIONAL EXAMINATION (VTNE)

#### **DOMAIN 10.00      Pharmacy and Pharmacology (14%,)**

TASK 10.01    Prepare, administer, and/or dispense pharmacological and biological agents (excluding anesthetics and analgesics) to comply with veterinary prescriptions.

TASK 10.02    Educate the client regarding pharmacological and biological agents (excluding anesthetics and analgesics) administered or dispensed to ensure the safety of the patient/client and efficacy of the products.

#### **DOMAIN 20.00      Surgical Preparation and Assisting (16%)**

TASK 20.01    Prepare and maintain the surgical environment, equipment, instruments, and supplies to meet the needs of the surgical team and patient.

TASK 20.02    Prepare patient for procedure, including surgical site scrub and patient positioning.

TASK 20.03    Function as a sterile surgical technician (including but not limited to tissue handling, suturing, instrument handling) to ensure patient safety and procedural efficiency.

TASK 20.04    Function as a circulating (non-sterile) surgical technician to ensure patient safety and procedural efficiency.

#### **DOMAIN 30.00      Dentistry (8%)**

TASK 30.01    Prepare and maintain the environment, equipment, instruments, and supplies for dental procedures to meet the needs of the dental team and patient.

TASK 30.02    Perform or assist with dental procedures (including but not limited to prophylactic, radiographic, therapeutic, charting) to maintain the dental health of the patient and aid in the treatment of dental disease.

TASK 30.03    Educate the client regarding dental health, including prophylactic and post-treatment care.

**DOMAIN 40.00      Laboratory Procedures (15%)**

- TASK 40.01    Collect, prepare, and maintain specimens for in-house or outside laboratory evaluation.
- TASK 40.02    Perform laboratory tests and procedures (including but not limited to serology, cytology, hematology, urinalysis, parasitology).
- TASK 40.03    Maintain laboratory equipment and related supplies to ensure safety of operation and quality of results.

**DOMAIN 50.00      Animal Care and Nursing (24%)**

- TASK 50.01    Perform and document initial and ongoing evaluations of physical, behavioral, nutritional, and environmental status of animals to provide for optimal animal/client safety and health.
- TASK 50.02    Perform animal nursing and clinical diagnostic procedures (including but not limited to post-operative care, catheterization, wound management, blood pressure measurement, electrocardiography) to aid in diagnosis, prognosis, and implementation of prescribed treatments
- TASK 50.03    Educate clients and the public about animal care (including but not limited to post-operative care, preventive care, zoonosis) to promote and maintain the health of animals and the safety of clients/public.
- TASK 50.04    Provide a safe, sanitary, and comfortable environment for animals to ensure optimal healthcare and client/personnel safety.

**DOMAIN 60.00      Diagnostic Imaging (8%)**

- TASK 60.01    Produce diagnostic images (excluding dental) following safety protocols for operator and patient.
- TASK 60.02    Maintain imaging equipment and related materials to ensure safety of operation and quality of results.

**DOMAIN 70.00      Anesthesia and Analgesia (15%)**

- TASK 70.01    Assist in development of the anesthetic plan to ensure patient safety and procedural efficacy.
  
- TASK 70.02    Implement the anesthetic plan (including but not limited to administration, monitoring, maintenance) to facilitate diagnostic, therapeutic, or surgical procedures.
  
- TASK 70.03    Prepare and maintain anesthetic equipment and related materials to ensure safety and reliability of operation.
  
- TASK 70.04    Assess need for analgesia and assist in the development and implementation of the analgesic plan to optimize patient comfort and/or healing.
  
- TASK 70.05    Educate the client with regard to analgesic administration and the side effects of anesthetics and analgesics to ensure the safety of the patient/client and efficacy of the product(s) or procedure(s).

## Appendix 1B

### LIST OF KNOWLEDGE STATEMENTS FOR THE VETERINARY TECHNICIAN NATIONAL EXAMINATION (VTNE)

#### KNOWLEDGE

- 01 Anatomy
- 02 Normal physiology including theriogenology (reproduction)
- 03 Pathophysiology (diseases and disease processes)
- 04 Common animal diseases
- 05 Medical terminology
- 06 Toxicology
- 07 Applied mathematics (including but not limited to metric system/weights, measures/percentage solutions, dosage calculations)
- 08 Drug classification
- 09 Routes of administration of pharmacological and biological agents
- 10 Legal requirements and procedures for preparing, storing, and dispensing pharmacological and biological agents
- 11 Contraindications, side effects, and normal and abnormal drug reactions and interactions
- 12 Fluid balance and therapy
- 13 Aseptic techniques
- 14 Sterilization techniques and quality assurance for equipment and supplies
- 15 Patient positioning techniques (including but not limited to diagnostic imaging, surgery)
- 16 Surgical procedures
- 17 Sterile and circulating (non-sterile) surgical assisting procedures and instrumentation
- 18 Suturing methods and techniques
- 19 Dentistry procedures (including but not limited to cleaning, floating, charting, preventive procedures, dental imaging)

- 20 Dental equipment, instruments, and supplies
- 21 Sample collection, preparation, storing, and shipping techniques
- 22 Laboratory diagnostic principles and procedures (e.g., hematology, cytology, urinalysis, serology, immunology, microbiology, parasitology)
- 23 Quality assurance in the laboratory (including but not limited to maintenance of equipment, verification of test results, calibration, controls)
- 24 Implications of abnormal laboratory and diagnostic test results
- 25 Animal assessment and monitoring techniques (including but not limited to surgery, hospitalization, physical exam, and excluding anesthetic monitoring)
- 26 Principles of animal behavior
- 27 Clinical diagnostic procedures (including but not limited to blood pressure measurement, electrocardiography, tonometry)
- 28 Nutrition
- 29 Animal handling and restraint techniques
- 30 Animal husbandry
- 31 Animal nursing procedures (including but not limited to pre/post-operative care technique, casting, bandaging)
- 32 Animal first aid, triage, and emergency/critical care techniques
- 33 Public health (including but not limited to zoonosis, epidemiology)
- 34 Environmental health and safety procedures (including but not limited to handling and disposing hazardous material, personal safety, evacuation procedures, safety plans)
- 35 Disease control and prevention techniques (including but not limited to vaccination, wellness care, herd health)
- 36 Facility cleaning and disinfection techniques
- 37 Diagnostic imaging equipment and procedures (excluding dental imaging)
- 38 Quality assurance and safety for diagnostic imaging
- 39 Pre- and post-anesthetic assessment and care
- 40 Anesthetic induction, maintenance, monitoring, and recovery techniques including stages of anesthesia, and troubleshooting
- 41 Pre-anesthetic, anesthetic, and analgesic medications

- 42 Pain assessment and analgesic administration techniques
- 43 Procedures for care, maintenance, and use of diagnostic, therapeutic, surgical, and anesthetic equipment and supplies
- 44 Professional ethics (including but not limited to Veterinary Technician Code of Ethics)
- 45 Techniques for communicating with the veterinary medical team and client
- 46 Inventory control
- 47 Record keeping