
Written and Performance Exam General Overview

- The intent of this exam is to assess the candidate’s ability to teach the skills found in the Massachusetts Technical Education Framework.
- The written exam is a state-developed exam aligned to the frameworks which can be accessed [here](#). The performance exam is a NOCTI-developed teacher test and has been determined by DESE to align to the state frameworks.
- Many questions and tasks require a synthesis of knowledge based on experience in the field and may not be found in any book.
- Use this exam outline and the Massachusetts Technical Education Framework to focus your preparation for the exams.
- Candidates are encouraged to prepare for their written exam by reviewing textbooks and reference material which have been listed as part of this exam outline. These resources can be found using online search tools, online vendors, and websites.

Written Exam

- Number of Questions: 100
- Administration Time: 3 hours
- Passing Score: 70.0%
- Administration Method: Remote Proctored Online Testing Session

Written Exam Content Coverage

7%	<i>Fundamentals of Health and Safety</i>
10%	<i>Animal Science Health and Safety</i>
13%	<i>Fundamentals of Animal Science</i>
12%	<i>Species of Animals, Breeds, and Characteristics</i>
7%	<i>Animal Housing</i>
20%	<i>Comparative Animal Anatomy and Physiology</i>
10%	<i>Genetics, Breeding, and Reproduction of Domestic Animals</i>
10%	<i>Animal Health and Disease</i>
6%	<i>Animal Nutrition, Feeds, and Feeding Practices</i>
5%	<i>Animal Welfare/Animal Rights</i>

Written Exam Reference Materials (Reference Current Edition)

- **Animal Science** by James Gillespie (Albany: Delmar)
- **Modern Livestock & Poultry** by James Gillespie (Belmont: Cengage, Delmar Learning)
- **Introduction to Veterinary Science** by MeeCee Baker & James Lawhead (Belmont: Cengage, Delmar Learning)
- **Small Animal Care & Management** by Dean M. Warren (Belmont: Cengage, Delmar Learning)
- **American Association of Laboratory Animal Science Assistant Laboratory Animal Technician Manual** by Timothy P. Lawson
- **An Illustrated Guide to Veterinary Medical Terminology** by Janet Amundson Romich (Delmar)
- **Elsevier's Veterinary Assisting Textbook** by Margi Sirois (Mosby)

Materials Needed for the Written Exam

- A four-function calculator is included in the online testing system. No other calculators are permitted.
- Scrap paper and pencil/pen are permitted.

Written Exam Sample Items

Each question on the exam consists of one incomplete sentence or question followed by four choices. Some items reference an image or diagram. A few sample items are included below; the correct answer is designated with an asterisk (*).

Progesterone is produced in the:

- a. corpus luteum. (*)
- b. cervix.
- c. follicle.
- d. uterus.

An animal that has been transformed with foreign DNA is a _____ animal.

- a. dominant
- b. transgenic (*)
- c. niotech
- d. mutant

Performance Exam

- Administration Time: 4 hours
- Passing Score: 70.0%
- Administration Method: Onsite at a DESE approved Massachusetts Area Testing Center (MATC) location. Candidates must register and schedule their exam session through NOCTI.

Performance Exam Content Coverage

- 67%** **Safe Handling and Restraint of Small Animals and Livestock**
The candidate will demonstrate how to handle and restrain a variety of small animals and livestock and perform/explain grooming procedures according to industry and OSHA safety standards.
- 13%** **Identify Healthy and Unhealthy Animals**
The candidate will set up and operate a compound microscope.
- 20%** **Safety**
The candidate will demonstrate safety knowledge and follow all procedures according to OSHA and industry safety standards.

Performance Exam Requirements

Candidate Supplied

Candidates must bring all appropriate Personal Protective Equipment (PPE), attire/uniform, and any other safety items as is routinely expected to be used by an employee in the related industry. If the candidate does not bring what is needed to safely complete all jobs on the exam as required in the workplace, the testing session will need to be rescheduled at the candidate's expense.

Site Supplied

Additional equipment and supplies needed to complete the jobs on the performance test will be provided by the testing site.

Performance Exam Site Requirements

Testing sites may have individual requirements based on location and any relevant and current guidance from the Center for Disease Control and Prevention (CDC).