

VETERINARY SCIENCE

3 or 4 Member Team

I. PURPOSE

To promote career and post-secondary readiness by providing opportunities to develop knowledge and demonstrate skills in the field of veterinary science.

II. EVENT FORMAT

A. Team make up

1. The event will be a team event consisting of three or four students. The top three score count toward the team total.
2. It is required that participants be in official FFA dress OR medical scrubs (the only logos permissible on shirts are school or organizational logos). All team members must be dressed alike. Team members must all have solid color matching pants and solid color matching tops, regardless of the color combination. Students will be allowed to correct the dress code problem as long as the start time of the event is not effected.
3. Time allowed to complete the various event components is contingent on the practicums being conducted. The event provider shall exercise discretion in determining time allowed.

III. Equipment/Materials

1. Contestant must provide his/her own transparent clipboard.
2. Contestant must bring his/her own pencil and scan sheet to the contest.
3. No notes, books, pictures, or other materials are permitted.
4. Contestant may bring a basic, non-programmable calculator.
5. Contestants may use a copy of the scan sheet to record their answers for review after the contest.
6. Blank paper will be provided at the contest site.
7. Section or group leaders will not return scan sheets after a student has turned them in.

IV. Classes/Practicums

A. Written Test (100 points)

The test will consist of 50 questions, each question worth two points. The questions will come from a file of 285 questions from the veterinary science CDE link located at www.texasffa.org → events → CDE.

B. Identification (150 points)

The identification portion will consist of:

1. Five Exotic animal breeds and 20 domestic animal breeds (two points each)
2. 25 Equipment/materials (two points each)
3. 25 Parasites and animal body parts (two points each)
 - a. The student will correctly position slides, set up a microscope to identify internal and external parasites. The student will also correctly identify internal organs from cats, dogs, swine, cattle, sheep, goats, or horses. Each identification will be worth two points. These will come

from a list found on the Texas FFA CDE website on the Veterinary Science CDE link. (texasffa.org → events→ CDE) Animal body part may be high quality pictures or real body parts.

C. Veterinary Science Skills Individual Practicum Rotation (100 points)

1. This practicum is designed to evaluate participant's knowledge of and ability to evaluate common laboratory, radiology and examination procedures performed in a veterinarians' clinic. Some skills may require participants to complete posology calculations. A practicum may combine more than one skill which is listed for the designated contest year. In some cases, contestants may be provided a written scenario that they must assess to determine correct solutions. Students will prepare for a possibility of five veterinary skills described in the five year rotation noted below. The providers will select two of these skills to evaluate using a standard rubric. The two skills may be performed separately or together. The practicum will alternate as noted:

- **2012** – Preparing a patient chart with correct information for patient/client, Lifting techniques for small or large animals, Restraining an animal in a lateral, sternal or recumbence, Calculating dosage in a pill based on weight of the animal, Filling a syringe with medication
- **2013** – Disposing of syringes, needles, and other sharp objects in clinic, Mounting parasitic material on a microscope slide using oil, Viewing parasitic slide with proper objective for suspected parasite, Collecting fecal samples from large and small animals, Demonstrating fecal floatation process
- **2014** – Collecting urine samples through natural means, Demonstrating proper procedure for autoclaving a pack, Preparing a small or large animal surgical pack, ~~Reading a digital radiograph (species, part of body, particular bone, type of fracture, which position taken),~~ Demonstrating various positions as prescribed for radiology
- **2015** - Calculating percent solutions for a medication, Filling a prescription using instruction from the veterinarian, Administering routine immunization to the most common small or large animals, Naming and locating common sites for venipuncture employed in all domestic animals

V. TOTAL TEAM SCORE

Written Exam.....100 points
Identification.....150 points
Skills practicum.....100 points

TOTAL POINTS

INDIVIDUAL350 points
TEAM.....1050 points

VI. TIEBREAKER

Team and Individual tiebreakers will be settled in the following order:

1. Team with the higher score in the identification section wins.
2. If still tied, the team with the higher score in the skills practicum Part 1 wins.
3. If still tied, the team with the higher score on the written exam wins.
4. If still tied, the team with the highest alternate score wins.

Ties for individual awards shall be broken by substituting the word "individual" wherever the word "team" appears above.

VII. REFERENCES

- Veterinary Assistant handbook- First Edition Author: Floron C. Faries, Jr.
- Instructional Materials Service, Texas A&M University
- Cornell Veterinary Curriculum (Vet. Terminology, Clinical exams, Hospital Procedures, Parasitology, Laboratory Techniques, Animal Nutrition, posology, and Principles of Disease).
- Veterinary Instruments and Equipment-A Pocket Guide Author: Teresa F Sonsthagen, BS, LVT
- Elsevier Mosby ISBN-13: 978-0-323-03203-2
- Review Questions and Answers for Veterinary Technicians Author: Thomas P Colville, DVM
- Mosby ISBN-13 978-0-323-01926-2
- American Kennel Club Breed Website - www.akc.org/breeds/
- Cat Fanciers' Association Breed Website - www.cfainc.org/breeds.html
- Oklahoma State University-Animal Science Website - <http://www.ansi.okstate.edu/breeds/>