Veterinary Science

Contest Description and Rules:

Please direct questions to:
Anna Krueger (anna.krueger@my.uwrf.edu)
Michael Wicks (michael.wicks@my.uwrf.edu)
Katie Gralish (katlin.gralish@my.uwrf.edu)

This contest is designed to assess student knowledge, application, analytical, and evaluation abilities in the area of animal care, ethics, and veterinary skills.

Four students per team will be allowed to compete in the contest. Each member of the team will complete the contest individually. The top three scores on the team will constitute a team score for teams attempting to qualify for the WI FFA State CDE. The top two scores on the team will be added to determine the team score for Ag Technology Contest Awards.

The contest will cover the following types of animals.
- Beef Cattle
- Cats
- Dairy Cattle
- Dogs
- Goats
- Horses
- Rabbits
- Poultry & Pet Birds
- Sheep
- Small Mammal Pets
- Swine

Equipment: Each participant must have a clean, free of notes clipboard, two or more sharpened No. 2 pencils – NO PENS, and an electronic calculator. Calculators used in this event should be battery operated, non-programmable, and silent with large keys and large displays. Calculators should have only these functions: addition, subtraction, multiplication, division, equals, percent, square root, +/- key, and one memory register. No other calculators or electronic devices will be allowed during the event.

A. Written Test and Math Application Questions – 40 points.

- The test will include multiple choice questions based on the same topics as the national level written exam. Refer to National FFA CDE handbook for specific items.
- The test will include math application questions related to conversions, dose calculations, dilutions, cost calculations and invoices. These may be multiple choice questions or questions that require a numerical answer to be recorded.
Samples of Possible Math Application Questions

A farmer had a liter of piglets born today and each one weighed about 5 pounds. He usually sells the piglets at sixty pounds. If the piglets gain on average .87 pounds per day, how many days will he have to raise them before selling them?

A. About Three weeks  
B. About 93 days  
C. About 64 days  
D. 4 weeks and 3 days

If a beef steer weighs 500 pounds and gains 2.7 pounds per day, about how many days will you have to raise the steer to sell it at 1,100 pounds?

A. Between 200 and 205 days  
B. Between 220 and 225 days  
C. Between 250 and 255 days  
D. Between 275 and 280 days

You buy a 25 lb. bag of dog food at the feed store for $7.00. Your dog will eat two eight oz servings per day. How much is it costing you per day to feed the dog?

Answer: _________  
(2 x 1/2 Ib. = 1 lb./day; $7.00/ 25 lbs = $0.28/lb.; 1 lb./day x $0.28/lb = $0.28 /day)

How many days will the bag last?

Answer: _________  
(25 lb/1 lb. per day = 25 days)

You are ordering feed for your flock of chickens. You are selling them in 14 days and you need to buy feed for the next two weeks. They eat 3.6 pounds per day and one pound costs $1.47 per pound. How much would this feed purchase cost?

($1.47/lb x 3.6 lbs/day x 14 days)  
Answer. $74.09

It takes 2.6 hours to milk your cows and you milk three times a day. If you pay 7.50 an hour and you have to hire three people to work for you while you are on vacation, how much would you pay out to your workers during the seven milkings you are away from the farm?

(2.6 hours x $7.50 x 7 milkings x 3 people)  
Answer: $409.50
Practicums

B. Tool/ Equipment Identification – 30 points.
There will be 30 tool/equipment items to identify that will be worth 1 point each. A code sheet will be given to each participant listing potential items. Photos, paintings/drawings, models or actual specimens may be used as samples. Refer to National FFA CDE handbook for specific items.

C. Animal Breed Identification – 40 points.
There will be 20 breeds to identify that will be worth 2 points each. A code sheet will be given to each participant listing potential items. Photos, paintings/drawings or models may be used as samples. Please refer to the National FFA CDE handbook for specific breeds.

D. Digestion and Anatomy Identification – 40 points.
There will be 20 anatomy parts and digestive organs to identify that will be worth 2 points each. A code sheet will be given to each participant listing potential items. Photos, paintings/drawings or models may be used as samples. Digestive organs and anatomy parts from the cow, horse, chicken and dog may be used.

E. Tie-Breakers
a. Team tie-breakers will be settled in the following order:
   i. Combined individual practicum total score
   ii. Combined individual written exam total score
b. Individual tie-breakers will be settled in the following order:
   i. Combined practicum score
   ii. Written exam score