

Name: \_\_\_\_\_  
Contestant Number: \_\_\_\_\_

2005 North Carolina 4-H State Skillathon  
July 7, 2005

*WRITTEN TEST - JUNIOR - 2 POINTS EACH*  
*PLEASE FILL IN THE CORRECT ANSWER IN EACH BLANK*

- \_\_\_\_\_ 1. One ml equals \_\_\_\_\_ cc.  
A. 1                      B. 2                      C. 12                      D. 100
- \_\_\_\_\_ 2. What does EPD stand for?  
A. Excellent Perfection Dam                      B. Expecting Problems and Death  
C. Excelling Productive Dam                      D. Expected Progeny Differences
- \_\_\_\_\_ 3. The body temperature of a goat ranges from \_\_\_\_\_ to \_\_\_\_\_ degrees F.  
A. 98.6 to 99.0              B. 100.0 to 102.0              C. 102.5 to 104.0              D. 105.0 to 106.0
- \_\_\_\_\_ 4. Which of the following is the period of time that a cow is milking?  
A. Gestation              B. Rumination              C. Lactation              D. Parturition
- \_\_\_\_\_ 5. As a Buck matures and increases in size he will sire kids with \_\_\_\_\_ birth weights.  
A. Heavier              B. Lighter              C. Doesn't Matter
- \_\_\_\_\_ 6. Internal Parasites are more likely to be a problem under \_\_\_\_\_ weather conditions.  
A. Dry              B. Wet              C. Doesn't Matter
- \_\_\_\_\_ 7. What happens when silage or haylage is stored too wet?  
A. Loses Nutrients                      B. Improper Fermentation  
C. Lower Palatability                      D. All of the Above
- \_\_\_\_\_ 8. What is bloat?  
A. the animals legs swell up - fluid in the joints  
B. colic or abdominal pain  
C. the animal's gut is greatly distended and it has trouble breathing and moving  
D. microbial gas production only in the cecum
- \_\_\_\_\_ 9. Where should you get information on withdrawal times of drugs?  
A. Your club leader                      B. The product label  
C. A veterinarian                      D. B and C
- \_\_\_\_\_ 10. What is the gestation period for cattle?  
A. 21 days              B. 30 days              C. 106 days              D. 283 days

- \_\_\_\_\_ 11. True or False. The four compartments in a ruminant's stomach are reticulum, abomasum, omasum, and gastropoda.
- \_\_\_\_\_ 12. Which activity is performed on baby pigs?  
A. Ear Notching                      B. Docking Tails  
C. Clipping Needle Teeth              D. All of the Above
- \_\_\_\_\_ 13. A large, open face and active sheep with moderate disposition. The face should be black, long, and free from wool from eyes down.  
A. Southdown                      B. Hampshire  
C. Dorset                      D. Katahdin
- \_\_\_\_\_ 14. True or False. Dewormers can be given as an injection, in feed, and as a pour-on.
- \_\_\_\_\_ 15. Bull semen for artificial insemination is frozen and stored in  
A. Dry ice                      B. Liquid Oxygen      C. Liquid Nitrogen      D. Home Freezer
- \_\_\_\_\_ 16. What scientific name refers to cattle?  
A. Ovine                      B. Porcine                      C. Caprine                      D. Bovine
- \_\_\_\_\_ 17. In which location should all vaccinations be give in cattle to enhance beef quality assurance?  
A. Rump                      B. Ear                      C. Subcationious      D. In Front of Shoulder
- \_\_\_\_\_ 18. Mastitis describes an infection of what organ?  
A. Heart                      B. Kidneys                      C. Lungs                      D. Mammary gland
- \_\_\_\_\_ 19. Where do you handle lambs to predict carcass muscle?  
A. Loin & Leg                      B. Flank                      C. Neck                      D. Backbone
- \_\_\_\_\_ 20. What is the chemical symbol for sodium?  
A. S                      B. So                      C. Na                      D. Ca

**MEAT IDENTIFICATION - JUNIOR - 2 POINTS EACH**

PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

- \_\_\_\_\_ 1. Identify the cut of lamb.  
A. Fore Shank                      B. Center Cut Leg Steak                      C. Leg of Lamb
- \_\_\_\_\_ 2. Identify the cut of beef.  
A. Chuck Eye Steak                      B. T-bone Steak                      C. Cubed Steak
- \_\_\_\_\_ 3. Identify the cut of beef.  
A. Top Round Steak                      B. Sirloin Steak                      C. Cubed Steak
- \_\_\_\_\_ 4. Identify the cut of pork.  
A. Top Loin Chop                      B. Center Loin Chop                      C. Rib in Roast
- \_\_\_\_\_ 5. Which species does this cut of meat come from?  
A. Beef                      B. Lamb                      C. Pork

**HAY JUDGING CLASS QUESTIONS - JUNIOR - 2 POINTS EACH**

PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

- \_\_\_\_\_ 6. Which of the following placings is correct for this class of alfalfa hay?  
A. 1-2-4-3                      B. 2-1-4-3                      C. 4-2-1-3                      D. 4-1-2-3
- \_\_\_\_\_ 7. Which hay sample has the most desirable color?  
A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 8. Which hay has the most foreign matter?  
A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 9. Which hay has the least desirable color?  
A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 10. Which hay has the most stems?  
A. 1                      B. 2                      C. 3                      D. 4

**MEAT JUDGING - JUNIOR - 2 POINTS EACH**

PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

- \_\_\_\_\_ 11. Which of the following is the correct one for this class?  
A. 1-2-3-4                      B. 4-3-2-1                      C. 2-1-3-4                      D. 2-4-3-1

- \_\_\_\_\_ 12. Which steak has the most lean?  
 A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 13. Which steak has the most marbling?  
 A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 14. Which steak has the least desirable color to the lean?  
 A. 1                      B. 2                      C. 3                      D. 4
- \_\_\_\_\_ 15. Which steak has the least lean?  
 A. 1                      B. 2                      C. 3                      D. 4

**BREED IDENTIFICATION - JUNIOR - 2 POINTS EACH**  
 PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

- \_\_\_\_\_ 21. Identify the following breed of cattle.  
 A. Gelbvieh                      B. Limousin                      C. Red Angus
- \_\_\_\_\_ 22. Identify the following breed of cattle.  
 A. Shorthorn                      B. Maine - Anjou                      C. Simmental
- \_\_\_\_\_ 23. Identify the following breed of sheep.  
 A. Shropshire                      B. Hampshire                      C. Dorper
- \_\_\_\_\_ 24. Identify the following breed of swine.  
 A. Hereford                      B. Duroc                      C. American Landrace
- \_\_\_\_\_ 25. Identify the following breed of goat.  
 A. Spanish                      B. Toggenburg                      C. Norwegian

**EQUIPMENT IDENTIFICATION - JUNIOR - 2 POINTS EACH**  
 PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

- \_\_\_\_\_ 26. Identify the following item.  
 A. Ewe Marking Harness                      B. Number Harness                      C. Goat Restraint
- \_\_\_\_\_ 27. Identify the following item.  
 A. Cattle Hoof Trimmers                      B. Scissors                      C. Hand Wool Shears
- \_\_\_\_\_ 28. Identify the following item.  
 A. Hog AI Breeding Spirette                      B. Semen Straw                      C. Forage Tester
- \_\_\_\_\_ 29. Identify the following item  
 A. Lamb Puller                      B. Elastrator                      C. Hoof Restraint
- \_\_\_\_\_ 30. Identify the following item  
 A. Elastrator                      B. Horn Weight                      C. Rumen Magnet

**FEED IDENTIFICATION - JUNIOR - 2 POINTS EACH**

PLACE THE LETTER FOR THE CORRECT ANSWER IN THE BLANK

\_\_\_\_\_ 31. Identify the following feed.

A. Cottonseed

B. Cottonseed Hulls

C. Cotton Gin Trash

\_\_\_\_\_ 32. Identify the following feed.

A. Wheat

B. Oats

C. Barley

\_\_\_\_\_ 33. Identify the following feed.

A. Meat Meal

B. Ground Beet Pulp

C. Blood Meal

\_\_\_\_\_ 34. Identify the following feed.

A. Whole Corn

B. Steamed Corn

C. Barley

\_\_\_\_\_ 35. Identify the following feed.

A. Dried Skim Milk

B. Sodium Bicarbonate

C. Limestone

County: \_\_\_\_\_

Team Members: \_\_\_\_\_

2005 State Skillathon Junior Team Exercise

BOTTLE LABEL

Prescribed by:  Ima Vet, D.V.M. 2020 Assurance Street Anywhere, NC 27000 919.600.6000	<b>OWNER:</b> <i>Mary Lamb</i>	<b>DATE:</b> <i>July 7, 2005</i>
	<b>ANIMAL ID:</b> <i>T-Bone</i>	<b>DIAGNOSIS:</b> <i>Foot Rot</i>
	<b>DIRECTIONS:</b> <i>1 cc per 100 Lbs. Body weight, IM once daily, for 3 days</i>	
	<b>PRECAUTION:</b> <i>Avoid the muscle tissues of high carcass value</i>	
	<b>WARNING:</b> <i>Use of this drug must be discontinued for 14 days before Slaughter or market for food!!!!</i>	
	<b>ACTIVE INGREDIENT:</b> <i>Hydrocillin</i>	
	<b>EXPIRATION DATE:</b> <i>December 31, 2005</i>	

You went to feed this morning and found that your prize show steer is limping on his right front leg. You decided to contact your local veterinarian, Dr. Ima Vet and she diagnosed the steer's problem as foot rot. She gave the initial treatment before she left and you are to give the medicine for the next three days. The directions say to give **1 cc per 100 pounds body weight, once daily, for three days**. You are to give the injection intramuscular. Your steer weighs 1,000 pounds. Remember the veterinarian treated the steer today, July 7, 2005, around 5 p.m. and you will treat for three more days as directed.

Answer the following questions according to the bottle label and other given information. Please circle your final answer.

1. How much medication will you give the steer each day?
2. How much medication will you need to treat the steer for three days?
3. What does the term "withdrawal period" mean? (give definition)
4. What is the date when the withdrawal period will be completed?

5. What is the preferred site for the intramuscular (IM) injection?