Osceola County 4-H Horsemaster Project  
Level 4 - Seniors  
Last Updated: February, 2002

Section 1 – Knowledge

A. Explain how each of the following devices work to control a horse:  
(7)

1. Twitch: __________________________________________________________
_________________________________________________________________

2. Bit of the Bridle: ________________________________________________
_________________________________________________________________

3. Halter: _________________________________________________________
_________________________________________________________________

4. Two ways for a rope: ____________________________________________
_________________________________________________________________
_________________________________________________________________

Explain the need for these veterinarian-administered drugs, in regards to controlling a horse:

5. Tranquilizers: ___________________________________________________
_________________________________________________________________

6. Anesthetics: _____________________________________________________
_________________________________________________________________
Section 1 – Knowledge (Continued)

B. Answer the following questions:

1. How many teeth does a male horse have? _______________________________
   A female horse? _____________________________ (2)

2. Define the following:
   A. Milk teeth: _____________________________________________________
   ____________________________________________________________________
   B. Tushes: _______________________________________________________
   ____________________________________________________________________
   C. Wolf teeth: _____________________________________________________
   ____________________________________________________________________ (3)

3. What is floating? Why and how often is it done? _________________________
   ____________________________________________________________________
   ____________________________________________________________________ (2)

4. List the sequence of the eruption and loss of teeth in a young horse:
   ____________________________________________________________________
   ____________________________________________________________________
   ____________________________________________________________________
   At what age is the horse full mouthed? _______________________________ (2)

5. How can you tell the age of the following horses by their teeth?
   A. Three year old: _________________________________________________
   B. Five year old: __________________________________________________
   C. Seven year old: _________________________________________________
   D. Twelve year old: ________________________________________________ (4)
Section 1 – Knowledge (Continued)

C. How long is the gestation period of the mare? _________________________
   At what age does the average male horse reach puberty? _________________________
   A female horse? _________________________ (3)

D. Describe the procedure used in trimming and shoeing a horse, from how the old shoe is
   removed, to finishing after the shoe has been nailed on, and explain how you determine
   when it should be done. ___________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   ____________________________________________________________ (5)

E. For the following defects in way of going, describe each and tell what type of
   conformation might predispose a horse to each: (14)
   1. Interfering: _______________________________________________________
      ___________________________________________________________________
   2. Forging: __________________________________________________________
      ___________________________________________________________________
   3. Scalping: _________________________________________________________
      ___________________________________________________________________
   4. Speedy cutting: ____________________________________________________
      ___________________________________________________________________
   5. Paddling: _________________________________________________________
      ___________________________________________________________________
   6. Dwelling: _________________________________________________________
      ___________________________________________________________________
   7. Winging: _________________________________________________________
      ___________________________________________________________________
Section 1 – Knowledge (Continued)

F. Briefly describe the life cycle of *three* of the following parasites and tell how they can be controlled: Ascarids, Bots, Pin Worms, Stomach Worms, and/or Strongyles  (6)

1. __________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2. __________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

3. __________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

G. What is a vermifuge chemical? ________________________________________________

List five things that can be done to prevent parasitic infection:

1. __________________________________________________________________________

2. __________________________________________________________________________

3. __________________________________________________________________________

4. __________________________________________________________________________

5. __________________________________________________________________________ (6)

H. What are the differences between a horse, a donkey, and a mule? ___________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________ (3)
Section 1 – Knowledge (Continued)

I. Use the table below to list the dimensions and construction features recommended for a horse and a pony for both a box stall and a tie stall: (4)

<table>
<thead>
<tr>
<th></th>
<th>Tie Stall</th>
<th>Box Stall</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Horse</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pony</strong></td>
<td></td>
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</tr>
</tbody>
</table>

J. What are the major advantages and disadvantages of the following flooring materials for stalls? (8)

1. Earth: ____________________________________________________________
   __________________________________________________________________

2. Clay: ____________________________________________________________
   __________________________________________________________________

3. Sand: ____________________________________________________________
   __________________________________________________________________

4. Concrete: _________________________________________________________
   __________________________________________________________________

K. Answer the following questions:

1. List the five basic nutrients: (5)
   1. ____________________________________________________________
   2. ____________________________________________________________
   3. ____________________________________________________________
   4. ____________________________________________________________
   5. ____________________________________________________________
2. Which two of the basic nutrients are considered the ENERGY nutrients?  

1. ________________________________  
2. ________________________________

3. Define the following terms:  

A. Fiber:  ______________________________________________________  
   ______________________________________________________

B. Total Digestible Nutrients (TDN):  _____________________________  
   ______________________________________________________

C. Digestible Protein:  _________________________________________  
   ______________________________________________________

D. Crude Protein:  ____________________________________________  
   ______________________________________________________

E. Forage:  __________________________________________________  
   ______________________________________________________

F. Concentrate:  _______________________________________________  
   ______________________________________________________

4. What are the two basic types of forages?  

1. ________________________________  
2. ________________________________
K. (Continued)

5. What are proteins made of? Name a characteristic of a high quality protein.

__________________________________________________________________

__________________________________________________________________

__________________________________________________________________

__________________________________________________________________ (2)

6. What are three things to look for when determining quality of hay? (3)

1. _______________________________________________

2. _______________________________________________

3. _______________________________________________

7. Name four ingredients that are commonly used in concentrate mixtures: (4)

1. _______________________________________________

2. _______________________________________________

3. _______________________________________________

4. _______________________________________________

L. Define center of motion and center of gravity and the importance of each: (4)

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
M. Describe each of the following leg defects and tell how each would affect the horse’s way of going or ability to perform: (18)

1. Toes-in (pigeon toed): ____________________________________________

__________________________________________________________________

2. Toes-out (splay footed): __________________________________________

__________________________________________________________________

3. Base wide: ______________________________________________________

__________________________________________________________________

4. Over at the knees: ______________________________________________

__________________________________________________________________

5. Cow hocked: ____________________________________________________

__________________________________________________________________

6. Base narrow: ____________________________________________________

__________________________________________________________________

7. Back at the knees: ______________________________________________

__________________________________________________________________

8. Sickle hocked: __________________________________________________

__________________________________________________________________

9. Straight hocked (post legged): ____________________________________

__________________________________________________________________
Section 1 – Knowledge (Continued)

N. List three infectious and/or nutritional diseases; give causes, symptoms, treatment, and prevention methods of each. (15)

1. __________________________________________________________________
   __________________________________________________________________
   __________________________________________________________________

2. __________________________________________________________________
   __________________________________________________________________
   __________________________________________________________________

3. __________________________________________________________________
   __________________________________________________________________
   __________________________________________________________________

O. Describe the process with at least five steps that you would utilize in the basic training of a weanling or yearling: (5)

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
Section 1 – Knowledge (Continued)

Sections P & Q must be completed and handed in to the 4-H office with the Level 4 booklet

P. Make the following observations of your horse: (6)

<table>
<thead>
<tr>
<th>Pulse Rate</th>
<th>Respiration Rate</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Horse at Rest (Normal)</td>
<td></td>
<td></td>
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<tr>
<td>After 15 minutes of Hard Work (Active)</td>
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<td></td>
</tr>
</tbody>
</table>

Length of time needed for horse to return to Normal from Active: _____________________

Based on these observations and how your horse acts, do you think he/she is in good condition? Why or Why not?

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

(4)

Q. Produce a type-written two page report on the history, breed characteristics, current uses, and show classes of one breed of horse or pony. (10)

(Please attach to Knowledge section of test and turn in to 4-H office for grading)

(Total Knowledge Points: 155)
**Section 2 – Dismounted Abilities**

Properly demonstrate the following to a designated inspector, who will check off each of these items on the date(s) you complete them.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>Date</th>
<th>Inspector</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Demonstrate how to lunge a horse at the walk, trot, and canter. (3)</td>
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<tr>
<td>2.</td>
<td>Demonstrate two methods of tying a halter puller. (2)</td>
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<tr>
<td>3.</td>
<td>Explain how you would load a reluctant horse into a trailer. (1)</td>
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<tr>
<td>4.</td>
<td>Demonstrate how to bandage a horse or pony for a leg injury explaining when it would be used. (2)</td>
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<tr>
<td>5.</td>
<td>Demonstrate or discuss how to clip a horse or pony for show. (2)</td>
<td></td>
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<tr>
<td>6.</td>
<td>Name and describe the use of five essential farrier’s tools. (10)</td>
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<tr>
<td>7.</td>
<td>Describe the following and tell whether they are grasses or legumes. (10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a.</td>
<td>Timothy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>Brome</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>Orchard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>Alfalfa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e.</td>
<td>Clovers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>8.</td>
<td>Describe and explain the use of: (12)</td>
<td></td>
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</tr>
<tr>
<td>a.</td>
<td>Martingale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>Splint boots</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>Breast collar</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>Over check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e.</td>
<td>Side check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f.</td>
<td>Crupper</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g.</td>
<td>Bell boots</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
9. Describe the following unsoundnesses and blemishes for your inspector and point out where they would be found on a horse or pony. (28)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Splint:</td>
</tr>
<tr>
<td>b.</td>
<td>Ringbone:</td>
</tr>
<tr>
<td>c.</td>
<td>Toe Crack:</td>
</tr>
<tr>
<td>d.</td>
<td>Quarter Crack:</td>
</tr>
<tr>
<td>e.</td>
<td>Sidebone:</td>
</tr>
<tr>
<td>f.</td>
<td>Spavins:</td>
</tr>
<tr>
<td>1.</td>
<td>Bone</td>
</tr>
<tr>
<td>2.</td>
<td>Bog</td>
</tr>
<tr>
<td>3.</td>
<td>Blood</td>
</tr>
<tr>
<td>g.</td>
<td>Cataract:</td>
</tr>
<tr>
<td>h.</td>
<td>Heaves:</td>
</tr>
<tr>
<td>i.</td>
<td>Parrot Mouth:</td>
</tr>
<tr>
<td>j.</td>
<td>Founder:</td>
</tr>
<tr>
<td>k.</td>
<td>Navicular Disease:</td>
</tr>
<tr>
<td>l.</td>
<td>Stringhalt:</td>
</tr>
</tbody>
</table>

(Total Dismounted Points: 70)
Section 3 – Mounted Abilities

**Choose two of the following three seats!**

Properly demonstrate the following to a designated inspector, who will check off each of these items on the date(s) you complete them.

<table>
<thead>
<tr>
<th>Date</th>
<th>Inspector</th>
</tr>
</thead>
</table>

1. **Stock Seat (Western)**

   1. Demonstrate individual performance on the rail as directed by the inspector. (3)  

   2. Dismount and mount demonstrating the proper steps necessary. (1)  

   3. Perform a sliding stop. (1)  

   4. Perform a figure eight at the lope on correct lead demonstrating a simple lead change. (1)  

   5. Ride without stirrups at the walk, trot, and canter. (3)  

   6. Execute a roll back. (2)  

   7. Change leads down the center of the arena demonstrating two simple lead changes. (2)  

   8. Back six steps. (1)  

   9. Counter canter on the rail. (1)

2. **Saddle Seat**

   1. Address the reins. (1)  

   2. Dismount and mount demonstrating the proper steps necessary. (1)  

   3. Back six steps. (1)  

   4. Demonstrate individual performance on the rail as directed by the inspector. (3)
Saddle Seat Requirements, Continued

5. Perform a figure eight at the trot demonstrating a change of diagonals. (1)  
   Date  Instructor

6. Perform a figure eight at the canter on correct lead demonstrating a simple lead change. (1)  
   Date  Instructor

7. Change leads down the center of the arena, demonstrating two simple lead changes. (2)  
   Date  Instructor

8. Ride without stirrups at the walk, trot, and canter. (No more than one minute at the trot.) (3)  
   Date  Instructor

9. Execute a serpentine at the trot demonstrating correct diagonal changes. (2)  
   Date  Instructor

3. Hunt Seat

1. Dismount and mount demonstrating the proper steps necessary. (1)  
   Date  Instructor

2. Back six steps. (1)  
   Date  Instructor

3. Demonstrate a hand gallop and stop. (1)  
   Date  Instructor

4. Demonstrate individual performance on the rail as directed by the instructor. (3)  
   Date  Instructor

5. Perform a figure eight at the trot demonstrating a change of diagonals. (1)  
   Date  Instructor

6. Perform a figure eight at the canter on correct lead demonstrating a simple lead change. (1)  
   Date  Instructor

7. Ride without stirrups at the walk, trot, and canter. (No longer than one minute at the trot.) (3)  
   Date  Instructor

8. Change leads down the center of the arena demonstrating two simple lead changes. (2)  
   Date  Instructor

9. Execute a serpentine at the trot demonstrating correct diagonal changes. (2)  
   Date  Instructor

(Total Mounted Points: 30; 15/seat)
This 4-H member, ________________________________, has successfully completed all of the requirements in Knowledge, Dismounted Abilities, and Mounted Abilities for Level 4 in the Osceola County Horsemaster Project with an overall score of _________________ points out of a total 255 points.

___________________________________  __________________
4-H Leader         Date

___________________________________  __________________
Designated Inspector                Date

___________________________________  __________________
Osceola County 4-H Youth Agent    Date

This page should be removed from the test booklet and kept in the 4-H office for records.