

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**ONE-TO-ONE QUESTIONS PAGE 1**

- CH 1) 1.** WHAT PART OF THE HORSE IS AFFECTED BY SESAMOIDITIS?
- A.** SESAMOID BONES
  - S.** 19.62-3 NH IVE 113
- CH 2) 2.** WHAT IS THE RECOMMENDED, MINIMUM SIZE FOR AN INDOOR ARENA?
- A.** 60' x 100' FEET
  - S.** 19.62-10 NJ TH2 784
- CH 3) 3.** WHY SHOULD YOU BE CONCERNED ABOUT THE TYPE OF DOOR LATCH THAT IS ON THE ROOM WHERE YOUR HORSE FEED IS STORED?
- A.** FOR SAFETY REASONS, IT MUST BE DESIGNED SO THAT A HORSE CAN'T OPEN IT
  - S.** 19.62-4 NY TH2 782
- CH 4) 4.** WHAT DOES THE BACTERIUM, CLOSTRIDIUM TETANI CAUSE?
- A.** TETANUS / LOCKJAW
  - S.** 19.62-31 NC HH6 428
- CH 1) 5.** NAME THE TOWN AND STATE THAT IS THE HOME FOR THE AMERICAN YOUTH HORSE COUNCIL.
- A.** LEXINGTON, KENTUCKY
  - S.** 19.6316 OH AYHC title page
- CH 2) 6.** WHERE WOULD YOU FIND THE MOST NUTRIENTS IN ALFALFA HAY?
- A.** IN THE ALFALFA LEAVES
  - S.** 19.670 PA LL2 65

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**ONE-TO-ONE QUESTIONS continued PAGE 2**

- CH 3) 7.** NAME THE PEOPLE CREDITED WITH THE INVENTION OF THE CURB BIT.
- A.** THE ROMANS
  - B.** 19.610-3 TN HH6 65
- CH 4) 8.** NAME THE ORGAN THAT IS AFFECTED BY HEAVES.
- A.** HORSE'S LUNGS
  - B.** 19.62-31 VA AYHC 810-3
- CH 1) 9.** WHAT TERM DESCRIBES THE ACT OF A HORSE EATING GROWING LEGUMES AND GRASS IN A PASTURE?
- A.** GRAZING
  - S.** 19.670 VT LL2 391
- CH 2) 10.** IN WHICH DIRECTION SHOULD AN OPEN-FRONT SHELTER FACE?
- A.** IT SHOULD FACE AWAY FROM THE PREVAILING WIND
  - S.** 19.62-10 WA TH2 772
- CH 3) 11.** NAME AN ACTION DEFECT CHARACTERIZED BY EXCESSIVE FLEXING OF THE HORSE'S HIND LEG.
- A.** STRINGHALT
  - S.** 19.687-1 WI THE 164
- CH 4) 12.** NAME THE ONLY VERTEBRA ATTACHED TO THE HORSE'S SKULL.
- A.** ATLAS
  - S.** 19.6316-3 CC TH2 96

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**OPEN QUESTIONS PAGE 3**

13. WHY ARE WHITE STOCKING PREFERED FOR HEAVY HARNESS HORSES IN THE SHOW RING?
- A. WHITE STOCKINGS ACCENTUATE THE HIGH ACTION OF THE HORSE'S LEGS
- S. 19.614-6 CN HH6 80
14. WHEN SELECTING A VEHICLE TO HAUL A HORSE TRAILER, GIVE ONE REASON FOR WHY THE EXHAUST SYSTEM SHOULD BE DIVERTED TO THE SIDE OF THE VEHICLE.
- A. 1. TO PREVENT EXHAUST FUMES FROM BLOWING DIRECTLY INTO THE TRAILER  
2. PREVENTS EXHAUST SPARKS FROM BLOWING ONTO OR INTO THE TRAILER
- S. 19.62-6 FL AYHC 1155-1
15. 2 PARTS - NAME TWO ASSOCIATIONS THAT THE GOLDEN AMERICAN SADDLEBRED HORSES MUST BE REGISTERED IN.
- A. 1. AMERICAN SADDLEBRED HORSE ASSOC.  
2. GOLDEN AMERICAN SADDLEBRED HORSE ASSOC.
- S. 19.614-2 GA AYHC 155-1
16. **TOSS UP** - 2 PARTS - DESCRIBE TWO FUNCTIONS OF THE HORSE'S PANCREAS.
- A. 1. SECRETES DIGESTIVE ENZYMES  
2. PRODUCTION OF INSULIN  
3. CONTROLS GLUCOSE LEVELS
- S. 19.6316-1 KY TH2 127 EQ 51

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**OPEN QUESTIONS continued PAGE 4**

**17. BONUS - 4 PARTS - NAME FOUR FUNCTIONS OF THE HORSE'S BLOOD.**

- A.** 1. CARRIES NUTRIENTS ABSORBED FROM THE DIGESTIVE TRACT TO TISSUES THROUGHOUT THE BODY  
2. TRANSPORTS OXYGEN THROUGH THE BODY  
3. TAKES CARBON DIOXIDE BACK TO THE LUNGS  
4. CARRIES WASTE TO THE KIDNEYS FOR EXCRETION  
5. TRANSPORTS HORMONES TO VARIOUS ORGANS  
6. REGULATES BODY TEMPERATURE

**S.** 19.6316-1 MD IVE 455

**18. 3 PARTS - NAME THE THREE MEMBRANES THAT COMPOSE THE PLACENTA.**

- A.** 1. CHORION 2. ALLANTOIS 3. AMNION

**S.** .624-3 IN TH2 341

**19. 2 PARTS - GIVE TWO REASONS FOR WHY A BROKEN SLOPE IN THE HORSE'S PASTERNS IS CONSIDERED POOR CONFORMATION.**

- A.** 1. INCREASES CONCUSSION ON THE LEG BONES  
2. INCREASES STRAIN ON THE TENDONS, LIGAMENTS  
3. RESULTS IN TENDON AND LIGAMENT INJURIES

**S.** 19.634-3 CC IVE 88

**20. WHAT MEDICAL TERM IDENTIFIES A RAPID HEART RATE?**

- A.** TACHYCARDIA

**B.** 19.62-3 ID TH2 594



**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**OPEN QUESTIONS continued PAGE 6**

**25.** 2 PARTS - EXCLUDING OVERO AND TOBIANO PATTERNS, NAME TWO DIFFERENT PINTO OR PAINT COLOR PATTERNS.

- A.** 1. CALICO                      3. SPLASHED WHITE            5. TOVARO  
2. SKEWBALD                  4. PIEBALD
- S.** 19.614-4      MA      AYHC 1040-3

**26. TOSS UP** - GIVE ONE GOOD REASON FOR GIVING YOUR HORSE PHENYLBUTAZONE.

- A.** 1. TO TREAT INFLAMMATION/PAIN OF JOINT, BONE, MUSCLES INJURIES
- S.** 19.26-32      MO      EQ 14 & 54

**27. BONUS** - 4 PARTS - DESCRIBE FOUR WAYS YOU CAN HELP YOUR HORSE AVOID HYPERTHERMIA.

- A.** 1. LIMIT STRENUOUS RIDING TO COOLER PART OF DAY  
2. PROVIDE STABLED HORSES WITH ADEQUATE VENTILATION  
3. REMOVE BLANKET/SHEETS IN EXTREMELY HOT WEATHER  
4. USE FANS/AIR CONDITION IN BARN OR STALLS  
5. PROVIDE ADEQUATE SHADE/SHELTER IN PASTURE AREAS  
6. CLIP LONG-HAIRED HORSES  
7. WATER DOWN AISLES IN BARN TO INCREASE HUMIDITY  
8. TRANSPORT DURING COOL HOURS OF THE DAY  
9. PROVIDE FRESH, COOL WATER
- S.** 19.62-32      MS AYHC 410-1 & 2 TH2 816

**28.** GENETICALLY, HOW DOES THE HORSE'S HAIR COAT COLOR, "GRULLA" HAPPEN?

- A.** IT IS A DILUTION OF BLACK AND SEAL BROWN GENES  
(Note: a mixture of black & white hair is not acceptable)
- S.** 19.611-4 MI      TH2 497

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 2**

**OPEN QUESTIONS continued PAGE 7**

29. 3 PARTS - IN HORSE LANGUAGE, GIVE US THREE DEFINITIONS OF THE WORD "STUD."
- A. 1. A HORSE BREEDING FARM  
2. A BREEDING STALLION  
3. A PROJECTION ON THE BOTTOM OF A HORSE SHOE TO INCREASE TRACTION
- S. 19.614 MO EQ 69 TH2 749 & 748
30. 2 PART - WHAT IS THE RANGE OF HEIGHT AND WEIGHT FOR LIGHT HORSES?
- A. **HEIGHT** - (14.2 TO 17 HANDS) OR (58" TO 68")  
**WEIGHT** - 900 LBS. - 1400 LBS.
- S. 19.614 MS HH6 71
31. WHAT CAUSES PIROPLASMOSIS?
- A. THE BABESIA CABALLI / BABESIA EQUI PARASITESTHE CARRIED BY THE TICK (dermacentor nitins)
- S. 19.62-2 MD IVE 478
32. 2 PARTS - DESCRIBE THE DIFFERENCE BETWEEN A RANDOM HITCH HITCH AND A TANDEM HITCH.
- A. **RANDOM** - THREE HORSES HITCHED IN SINGLE FILE  
**TANDEM** - TWO HORSES HITCHED IN SINGLE FILE
- S. 19.6319-6 ILL HH6 425 - 428