

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

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

- CH 1) 1.** WHAT IS THE NORMAL RESTING RESPIRATION RATE FOR THE HORSE?
- A.** 8 - 15 BREATHS PER MINUTE
- S.** 19.62-3 CN AYHC 425-1
- CH 2) 2.** WHAT IS THE TEVIS CUP RIDE?
- A.** AN ENDURANCE TRAIL RIDE
- S.** 19.6319-10 NH HH6 75
- CH 3) 3.** NAME A PRODUCT THAT CAN BE USED IN A HORSE'S NOSTRILS TO PREVENT PROBLEMS, WHEN TRAILERING A MARE AND A STALLION TOGETHER.
- A.** VICKS VAPORUB
- S.** 19.62-6 FL TH2 816
- CH 4) 4.** WHAT IS THE FULLERING CREASE IN A HORSESHOE?
- A.** THE GROOVES IN THE WEB OF A HORSESHOE CONTAINING THE NAIL HOLES
- S.** 19. 62-1 NJ AYHC 505-5 TH2 731
- CH 1) 5.** NAME A GENETIC CONDITION THAT OCCURS WHEN ONE OR BOTH TESTES ARE UNDESCENDED INTO THE SCROTUM.
- A.** CRYPTORCHID / MONORCHID / RIDGLING
- S.** 19.611-4 IN TH2 387 HH6 416 AYHC 920-1
- CH 2) 6.** WHAT TERM CLASSIFIES A MEMBER OF THE HORSE FAMILY THAT IS UNDER 58" INCHES (14.2 HANDS) HIGH AND WEIGHTS LESS THAN 900 LBS?
- A.** A PONY
- S.** 19.614-3 GA EQ 56

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

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

**CH 3) 7.** WHERE WOULD YOU FIND THE DENTAL STAR ON A HORSE'S TOOTH?

**A.** ON THE TIP OF THE PULP CANAL / CENTER OF CUP

**S.** 19.6316-7 NY HH6 50

**CH 4) 8.** WHAT IS AN ANTIBODY?

**A.** A PROTEIN IN THE BLOOD/BODY FLUID, THAT FORMS IN RESPONSE TO A SPECIFIC ANTIGEN TO NEUTRALIZE TOXINS AND BREAKS DOWN BACTERIA OR CELLS.

**S.** .62-31 ID IVE 674

**CH 1) 9.** WHAT KIND OF COMMUNICATION IS TAKING PLACE, WHEN A MARE MAKES SOFT NICKERING SOUNDS TO HER FOAL?

**A.** "MARE TALK" / EPIMELETIC (CARE GIVING)

**S.** 19.62-8 HH6 300 TH2 675

**CH 2) 10.** NAME THE SPECIFIC ENGLISH BRIDLE THAT USES A SNAFFLE AND A CURB BIT.

**A.** WEYMOUTH BRIDLE

**S.** 19.657 ILL HH6 333

**CH 3) 11.** NAME THE HORSE OF MEDIUM TO HEAVY STATURE THAT COMES FROM THE SCHLESWIG - HOLSTEIN AREA OF GERMANY.

**A.** HOLSTEIN OR HOLSTEINER

**S.** 19.614-2 OH EQ 36 TH2 74

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

**ONE-TO-ONE QUESTIONS continued PAGE 3**

- CH 4) 12.** WHAT IS THE RELATIONSHIP OF MALE AND FEMALE FOALS THAT HAVE THE SAME MOTHERS, BUT DIFFERENT FATHERS?
- A.** HALF BROTHER/HALF SISTER
- S.** 19.611-4 PA HH6 415

**OPEN QUESTIONS**

- 13.** HOW MANY MOUNTED PLAYERS ARE ON A POLO TEAM?
- A.** FOUR
- S.** 19,6319-10 WA HH6 77
- 14.** 2 PARTS - DESCRIBE TWO AREAS THAT YOU NEED TO CHECK BEFORE MOUNTING AN ENGLISH SADDLE.
- A.** 1. CHECK THE TIGHTNESS OF THE CHINCH OR SADDLE GIRTH  
2. CHECK THE STIRRUP STRAPS/LEATHERS FOR PROPER LENGTH
- S.** 19.6319-2 TN HH6 347
- 15.** 2 PARTS - IN WHAT TYPE OF COMPETITION, WOULD YOU MOST LIKELY FIND OCCURRENCES OF EPISTAXIS AND WHAT IS IT?
- A.** 1. **WHERE** - USUALLY ON THE RACE TRACK  
2. **WHAT IS IT** - A NOSE BLEED
- S.** 19.62-31 MD IVE 460
- 16.** **TOSS UP** - WHY WOULD YOU GIVE A MARE AN INJECTION OF PROSTAGLANDIN?
- A.** TO ABORT A FETUS / TO EMPTY/CLEAN UTERUS / AID OVULATION / TO STIMULAATE DESTRUCTION OF CORPUS
- S.** LUTEUM 19.611-2 NH LL2 239

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

**OPEN QUESTIONS continued PAGE 4**

17. **BONUS** - 3 PARTS - GIVE THREE REASONS FOR WHY A FOAL MIGHT NOT RECEIVE PASSIVE IMMUNITY AFTER BIRTH.
- A. 1. FAILURE TO NURSE WITHIN 24 HRS. AFTER BIRTH  
2. PREMATURE LACTATION BY THE MARE  
3. LOW IMMUNOGLOBULIN CONTENT IN THE COLOSTRUM  
4. IMMUNODEFICIENCY DISEASE
- S. 19.611-3 NJ TH2 429
18. 6 PARTS - EXPLAIN THE PROCESS SEQUENCE OF AN EMBRYO TRANSFER.
- A. 1. A MARE IS BRED  
2. EMBRYO IS REMOVED FROM THE DONOR MARE  
3. EMBRYO IS IMPLANTED IN A SELECTED SURROGATE OR RECIPIENT MARE  
4. RECIPIENT MARE CARRIES THE FETUS TO TERM  
5. DELIVERS THE FOAL AND NURSES/NURTURES IT
- S. 19.611 VA TH2 411
19. NAME THE PARASITE THAT HATCHES ON THE HORSE'S JAW BONE, CRAWLS INTO THE MOUTH AND BURROWS INTO POCKETS OF THE MOLAR TEETH, WHERE THEY REMAIN UNTIL THE 2ND STAGE OF MOLTING AND ARE THEN SWALLOWED TO COMPLETE THE 3RD STAGE OF DEVELOPMENT IN THE DUODENUM.
- A. GASTEROPHILUS NASALIS
- S. 19.62-2 CC TH2 633
20. HOW DOES THE HORSE MANIFEST SELF-MUTILATION?
- A. BY BITING/NIPPING AT THEIR SIDES OR FLANKS, ACCOMPANIED BY KICKING AND SQUEALING
- S. 19.62-8 VT LL2 378

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

**OPEN QUESTIONS continued PAGE 5**

**21. TOSS UP - 3 PARTS - NAME THREE AREAS ON THE HORSE'S BODY THAT ARE INVOLVED IN SCORING THE AMOUNT OF IT'S FAT COVER.**

- A.** 1. BACK 5. RIBS AT MID-BARREL  
2. NECK 6. BEHIND THE SHOULDER AT THE  
3. WITHERS THE FORERIBS  
4. TAILHEAD

**S.** 19.670 CC AYHC 710-4

**22. BONUS - 5 PARTS - NAME FIVE CONDITIONS USED TO DETERMINE HOW MUCH FEED IS REQUIRED BY EACH INDIVIDUAL HORSE.**

- A.** 1. AGE - (growing) 5. TYPE OF WORK/SPORT  
2. AGE - (elderly) 6. BREEDING SEASON  
3. WEIGHT 7. PREGNANCY  
4. SEX 8. LACTATION

**S.** 19.670 CC AYHC 710-3

**23. 2 PARTS - WHAT ARE TWO MAJOR GOALS IN TREATING WOUNDS?**

- A.** 1. CONTROL HEMORRHAGE 3. PROMOTE RAPID HEALING  
2. CLEAN THE WOUND (medicate and bandage as  
appropriate to wound)

**S.** 19.62-32 MI AYHC 440-2

**24. 2 PARTS - IN THE ADULT 5th STAGE OF THE STRONGYLUS VULGARIS, WHERE ARE THEY FOUND AND WHAT HAPPENS THERE?**

- A.** 1. **WHERE** - IN THE LUMEN OF THE INTESTINE  
2. **WHAT HAPPENS** - THEY MATE AND REPRODUCE

**B.** 19.62-2 CC TH2 624

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

**OPEN QUESTIONS continued PAGE 6**

25. NAME THE ACTION DEFECT DISPLAYED BY A HORSE THAT IS SPLAY-FOOTED?
- A. WINGING IN / DISHING - OR - THROWING THE FRONT FEET INWARD
- S. 19.687-1 MO TH2 181 AYHC 230-5
26. **TOSS UP** - 2 PARTS - WHAT ARE THE DORSAL, MIDDLE AND VENTRAL MEATUS AND WHAT SYSTEM DO THEY BELONG TO?
- A. 1. **WHAT** - THEY ARE THREE CHANNELS IN THE HORSE'S NASAL PASSAGE  
2. **BELONG TO** - RESPIRATORY SYSTEM
- S. 19.6316-3 OH TH2 105
27. **BONUS** - 3 PARTS - NAME THE THREE MAJOR JOINTS THAT COMPOSE THE HORSE'S KNEE.
- A. 1. RADIOCARPAL 2. INTERCARPAL 3. CARPOMETACARPAL
- S. 19.6316-3 PA IVE 147
28. 3 PARTS - NAME THREE OF THE FOUR TYPES OF TROTS USED IN DRESSAGE CLASSES.
- A. 1. COLLECTED TROT 4. MEDIUM TROT  
2. WORKING TROT 5. EXTENDED TROT
- S. 19.6319-8 WI TH2 173
29. HOW LONG SHOULD YOU ISOLATE A SICK HORSE FROM THE REST OF YOUR HERD?
- A. AMINIMUM OF 10 DAYS TO 3-4 WEEKS AFTER COMPLETE
- S. 19.62-31 MS AYHC 445-1

**1997 EASTERN NATIONAL - 4-H HORSE BOWL ROUND 3**

**OPEN QUESTIONS continued PAGE 7**

- 30.** HOW MANY HORSES IS EACH POLO TEAM MEMBER ALLOWED TO USE IN A SINGLE GAME?
- A.** FOUR TO SIX HORSES FOR EACH TEAM MEMBER
  - B.** 19. 6319-10 CC HH6 77
- 31.** DESCRIBE THE DIFFERENCE BETWEEN "TRUE COLIC" AND "FALSE COLIC."
- A.**
    - 1. **TRUE** - DISPLAYS COLIC BEHAVIOR, BUT CAUSED BY INTESTINAL OBSTRUCTION (ie) DIET, OVEREATING, PARASITES, NOT ENOUGH EXERCISE
    - 2. **FALSE** - DISPLAYS COLIC BEHAVIOR, BUT CAUSED BY NON-INTESTINAL DISEASES (ie) LAMINITIS, DYSTOCIA, RETAINED PLACENTA, INJURIES, HEPATITIS
  - S.** 19.62-32 MA AYHC 635-1 & 2
- 32.** NAME THE CONDITION THAT EXISTS, WHEN THE DISTAL RADIUS GROWTH PLATE HAS NOT CLOSED, BECAUSE THE CARTILAGE HAS NOT YET FORMED INTO BONE.
- A.** OPEN KNEES
  - B.** 19.62-31 KY IVE 155 EQ 50