(5pts/answer)

1. What temperature should chicks just delivered receive from your heat lamp? A) 55 F B) 83 F C) 95 F d) 105 F

2) According to the U of M extension video, when should water be introduced to new chicks?

3) What did the pink mark on the heads of the young chicks in the video mean?

A) Sexed Female B) Sexed Male C) Vaccinated for Coccidiosis D) nothing

4) What is the gestation period for a dairy cow?

5) Which one of the following is likely to happen when we feed too much crude protein in the

ration?  
 a) DA (displaced abomasum)

b) fatty liver

c) acidosis

d) increase in nitrogen excretion to the environment

6) In the dairy cow, where are B-complex vitamins and Vitamin K produced?  
a) kidney

b) ovary

c) rumen

7) When a cow is superovulated and the resulting developing embryos are transferred to unrelated recipient cows, the calves that are born will be:   
a) identical

b) unrelated   
c) full siblings

8) Your veterinarian says that a cow is in the second trimester. What does that mean?  
  
a) first 3 months of pregnancy

b) second 3 months of lactation   
c) second 3 months of pregnancy

9) What mineral, found in milk, can help prevent osteoporosis in humans?

10) Star Valley Boss Maple-ET-RC What does ET mean? What does RC mean?



Answer 15 of the following for 15 points, any others will be extra credit for 5 more points.

1)\_\_\_\_\_\_ a) Barrel

2)\_\_\_\_\_\_ b) Rear Udder

3)\_\_\_\_\_\_ c) Hock

4)\_\_\_\_\_\_ d) Chest

5)\_\_\_\_\_\_ e) Poll

6)\_\_\_\_\_\_ f) Pin

7)\_\_\_\_\_\_ g) Hip

8)\_\_\_\_\_\_ h) Heart Girth

9)\_\_\_\_\_\_ i) Pastern

10)\_\_\_\_\_\_ j) Median Suspensory Ligament

11)\_\_\_\_\_\_ k) Fore Udder

12)\_\_\_\_\_\_ l) Loin

13)\_\_\_\_\_\_ m) Muzzle

14)\_\_\_\_\_\_ n) Throat

15)\_\_\_\_\_\_ o) Toe

16)\_\_\_\_\_\_ p) Rear Legs

17)\_\_\_\_\_\_ q) Teat

18)\_\_\_\_\_\_ r) Rump

19)\_\_\_\_\_\_ s) Neck

20)\_\_\_\_\_\_ s) Tail

Math Problem (10 pts)

A big square bale of hay weighs 940 pounds and is 85% DM and costs $100 per bale.

A silage bale weighs 1300 pounds and is 50% DM and costs $75 per bale.

What is the cost per ton DM for each bale? Which is the lowest price per ton DM?

(a ton is 2000 pounds. Cost is as-fed basis. Hint, find out how many pounds each bale is DM, then how many bales it takes to make a ton, DM.)

Essay. (25 pts)

Describe your favorite unit or lessons during the semester. How do you think what you have learned in this class will affect how you feel about Dairy and Livestock production in the future?

What trends do you see coming in Dairy production or Livestock production?

(an essay should be 3 paragraphs at least, with 3 sentences per paragraph, minimum. Minimum effort might mean minimum scoring)