

2014
Senior Division
Set 1
Toss Up

1. What is the number one cause of calf death in the first 48 hours of life?
 - a. Dystocia/Difficult Calving
2. Crude protein is calculated for a feed by multiplying 6.25 by element?
 - a. Nitrogen
3. In 2013, what was the average milk production per cow in the state of Georgia?
 - a. 19,500 (accept 19,000-20,000)
4. What would the uppercase letters PP mean on a Holstein Pedigree?
 - a. Homozygous Polled
5. First lactation animals or first calf heifers should peak at what percent of the mature cow's peak milk production?
 - a. 75-80% (accept anything in the range)
6. If you buy whole milk at the grocery store, what is the minimum percent butterfat it must contain?
 - a. 3.25%
7. In order to be effective, what is the minimum amount of time that pre-dip must remain on the teat before wiping?
 - a. 15-30 seconds (accept anything in the range)
8. What is the major cost associated with a case of mastitis?
 - a. Reduced milk production / loss in production
9. What is the proper name given to an unfertilized female gamete?
 - a. Ovum / Ova / Egg
10. Fluid milk in the United States is often fortified with what fat-soluble vitamin?
 - a. D
11. In reference to milking parlor equipment, what does the acronym CIP mean?
 - a. Clean in Place
12. Healthy cows will have how many rumen contractions per minute?
 - a. 1-2

13. According to the Purebred Dairy Cow Unified Scorecard, what trait in “rear feet and legs” receives the highest priority?
 - a. Movement
14. In what country did the Holstein breed originate?
 - a. Netherlands (Holland)
15. The rumen is considered acidotic when its pH drops below what number?
 - a. 5.8-5.9
16. The loss of what mineral in feces is the main cause of dehydration in scouring calves?
 - a. Sodium
17. During which season is milk generally in the greatest supply?
 - a. Spring
18. Where in the lactation cycle are cows most likely to get a new mastitis infection?
 - a. Dry Period
19. What does it mean if any animal is anestrus?
 - a. Fails to have a normal estrous cycle or estrus
20. What tool is used to determine the freezing point of milk and assess if water has been added?
 - a. Cryoscope