

**2015 Nebraska State FFA  
Livestock Evaluation CDE Exam KEY**

You have 20 minutes to complete the 25-question exam. **You must use a #2 pencil** to complete the scantron. Use the scantron titled "TEST". Correctly bubble answers, **we will not re-bubble answers for you.**

- 1) Which livestock product is the most widely consumed in the *world*?
  - a. Lamb
  - b. Goat**
  - c. Beef
  - d. Pork
  
- 2) Recent recommendations suggest that the 2015 Dietary Guidelines for Americans should be modified in what way?
  - a. Increase red meat consumption
  - b. Decrease red meat consumption**
  - c. Decrease fruit and vegetable consumption
  - d. Increase sugar consumption
  
- 3) Beef provides \_\_\_\_ essential amino acids and is an excellent source of \_\_\_\_\_ and \_\_\_\_\_ when compared to other meat sources.
  - a. 9 / zinc / iron**
  - b. 10 / zinc / iron
  - c. 15 / protein / fat
  - d. 13 / protein / iron
  
- 4) What is the order in which digesta (feed) passes through the ruminant digestive tract?
  - a. Rumen, reticulum, omasum, abomasum
  - b. Esophagus, reticulum, rumen, omasum, abomasum**
  - c. Reticulum, rumen, abomasum, omasum
  - d. None of the above
  
- 5) The state with the greatest number of cattle on feed currently is?
  - a. Nebraska**
  - b. Texas
  - c. Oklahoma
  - d. Kansas
  
- 6) You own a herd of predominately Charolais influenced cows. You retain ownership of the calf crop through the feedyard phase and are looking for ways to receive premiums from the packer. What breed could you infuse into your cross to make this happen?
  - a. Texas Longhorn
  - b. Limousin
  - c. Angus**
  - d. Shorthorn
  
- 7) What are two of the primary factors that would lead a producer to utilize Gelbvieh genetics?
  - a. Early maturing (cattle reach puberty faster)
  - b. Marbling ability
  - c. Pre-weaning growth
  - d. A & C**

- 8) This sheep breed is characterized by moderate size, a powerful build, almost complete wool coverage, and a mousy-gray color to the nose and base of the legs.
- Suffolk
  - Southdown**
  - Hampshire
  - Dorset
- 9) What is the average feed conversion ratio for lambs?
- 25:1
  - 8:1**
  - 3:1
  - 1:1
- 10) Recently, popular fast food chain McDonald's has announced that they will only source poultry that has been raised \_\_\_\_\_.
- Antibiotic free**
  - Free range
  - A & B
  - None of the above
- 11) The Flat Iron steak is a relatively new retail cut of beef that comes from which primal (wholesale) cut?
- Round
  - Rib
  - Chuck**
  - Loin
- 12) Ractopamine Hydrochloride is a growth promoter that increases feed efficiency and muscle growth in what species?
- Sheep
  - Goats
  - Cattle
  - Hogs**
- 13) What type of sheep is bred primarily for meat production?
- Fine wool sheep
  - Hair sheep
  - Medium wool sheep**
  - None of the above
- 14) What white-faced breed of sheep is known for aseasonal breeding and is considered to be both an excellent maternal and terminal breed?
- Finnsheep
  - Khatadin
  - Suffolk
  - Dorset**

- 15) What species does not start the estrous cycle until the suckling stimulus (animals nursing) has been removed?
- Hogs
  - Cattle
  - Sheep
  - All the above
- 16) “Complementary grazing” refers to what range management practice?
- Planting grass types preferred by livestock
  - Grazing twice as many animals as normal on the same pasture
  - Grazing both cattle and goats on the same pasture
  - All the above
- 17) The goat breed primarily utilized for mohair production is?
- Nubian
  - Angora
  - Boer
  - Spanish
- 18) This down-eared hog breed was developed in New York and New Jersey. They are known for tremendous growth and gain.
- Yorkshire
  - Poland China
  - Landrace
  - None of the above
- 19) Quality and yield grade in cattle are \_\_\_\_\_ correlated.
- Negatively
  - Positively
  - Directly
  - Not

Questions 20-25 will utilize the following performance data

Performance Yorkshire Gilts

	NBA	21-d Litter Wt.	Days to 250	BF	MLI	TSI
A	+0.56	+3.87	-5.69	-0.03	127	128
B	+0.31	+2.91	-4.56	-0.01	119	116
C	-0.01	+1.10	-1.07	+0.01	105	103
D	+0.31	+2.91	-4.12	-0.02	118	116
Avg.	+0.23	+2.30	-1.45	0.00	114.28	111.01

20) "MLI" stands for?

- a. Maternal Litter Index
- b. Maternal Line Index**
- c. Maternal Life Index
- d. None of the above

21) "TSI" stands for?

- a. Total Service Index
- b. Terminal Source Index
- c. Terminal Sire Index**
- d. Total Sire Index

22) How many potential littermates are in the class?

- a. 0
- b. 2**
- c. 3
- d. 4

23) Which gilt is the fastest growing? **A**

24) Which gilt's progeny could struggle to gain efficiently and offer enough lean value? **C**

25) (A/True, B/False) MLI includes both maternal and terminal traits. **A - True**