

**2016 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) A medication sprayed directly into an animal's nostrils is called a _____ injection.
 - a. Subcutaneous
 - b. Intravenous
 - c. Intramuscular
 - d. **Intranasal**

- 2) What fairly common cattle production tool has come under scrutiny recently? Consumers believe adding these, which already occur in the body, can lead to increased levels in humans and potential medical risks.
 - a. **Growth promoting implants (hormones)**
 - b. Castration
 - c. Dehorning
 - d. Beta-agonists

- 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) The state with the greatest number of total cattle numbers (cattle on feed, cow/calf pairs, etc.) is?
 - a. Nebraska
 - b. **Texas**
 - c. Oklahoma
 - d. Kansas

- 5) You own a herd of predominately Angus influenced cows. You retain ownership of the calf crop through the feedyard phase. Traditionally, you have used Angus sires and the resulting calves have had exceptional quality grades. However, the incidence of Yield Grade 4 cattle in your pens has gotten too high. What breed could you infuse to help in reducing the number of YG 4 cattle?
 - a. **Charolais**
 - b. Hereford
 - c. Angus
 - d. Shorthorn

- 6) The average gestation length for swine is?
 - a. 100 days
 - b. **114 days**
 - c. 150 days
 - d. 283 days

- 7) This black-faced sheep breed is characterized by a powerful build, moderate ear size, and distinct wool cap and boot wool.
- Suffolk
 - Southdown
 - Hampshire**
 - Dorset
- 8) The average LEA (loin-eye area) for a 270 pound barrow is closest to?
- 4 square inches
 - 8 square inches**
 - 12 square inches
 - None of the above
- 9) Compared to one year ago today, market cattle prices have?
- Remained close to the same
 - Drastically fallen to 5-year lows
 - Fallen, but have remained high
 - Continued to rise**
- 10) A 1300 pound cow will consume approximately what percentage of her body weight in feed daily?
- 2%**
 - 4%
 - 6%
 - 8%
- 11) Zilpaterol Hydrochloride is a growth promoter that increases feed efficiency and muscle growth in what species?
- Sheep
 - Goats
 - Cattle**
 - Hogs
- 12) What type of sheep is bred primarily for meat production?
- Fine wool sheep
 - Hair sheep
 - Medium wool sheep**
 - None of the above
- 13) This breed of cattle was traditionally white in color, with black points and was used for draft purposes in Italy. Today, it is hard to find any true purebreds, and most of the cattle are actually black-hided now.
- Chianina**
 - Maine-Anjou
 - Limousin
 - Angus
- 14) What species does not start the estrous cycle until the suckling stimulus (animals nursing) has been removed?
- Hogs**
 - Cattle
 - Sheep
 - All the above

- 15) A CIDR (Controlled Internal Drug Release) is used to synchronize estrous in cattle. What hormone does this device release to make the animal “think” it’s pregnant?
- Estrogen
 - Prostaglandin
 - Progesterone**
 - All the above
- 16) Scrapie tags are utilized in sheep for what purpose?
- To show an animal is “scrapie-free”
 - Animal identification
 - Disease traceability
 - B & C**
- 17) This down-eared hog breed was developed in New York and New Jersey. They are known for tremendous growth and gain.
- Yorkshire
 - Duroc**
 - Landrace
 - None of the above
- 18) Quality Grade in beef estimates which of the following?
- Amount of product
 - Leanness
 - Eating experience**
 - Ribeye size
- 19) The first limiting amino acid in a swine diet is?
- Methionine
 - Lysine**
 - Tyrosine
 - None of the above

Questions 20-25 will utilize the following performance data

Performance Hereford Bulls

	CED	BW	WW	YW	M&G	REA	Marb.	\$BMI	\$CHB
A	6.7	-0.5	44	70	40	0.13	0.48	16	17
B	4.3	1.1	59	90	46	0.60	0.22	19	26
C	-1.0	5.9	60	95	42	0.56	0.01	14	24
D	3.0	2.4	57	88	47	0.50	0.30	18	23
Avg.	1.1	3.3	48	78	44	0.32	0.08	18	23

- 20) "\$CHB" stands for?
- Calving-ease Heifer Bull
 - Certified Hereford Beef**
 - Certified Healthy Beef
 - None of the above
- 21) "\$BMI" stands for?
- Baldy Maternal Index**
 - Base Maternal Index
 - Baldy Mix Index
 - Baldy Match Index
- 22) How many bulls would have a negative influence on growth in the next generation
- 0
 - 1**
 - 2
 - 3
- 23) Which bull should produce the stoutest, most profitable set of feedlot cattle? **B**
- 24) Which bull has the most concerning calving figures? **C**
- 25) (A/True, B/False) \$CHB is an index heavily driven off of the "Marb." column? **B – False**