

**2014 Iowa State FFA Livestock Judging Contest**  
**8/23/2014**

**LIVESTOCK EVALUATION TEST**

1. Which of the following correctly defines the acronym EPD?
  - a. Expected Prodigy Differences
  - b. Expected Progeny Differences
  - c. Elevated Prodigy Differences
  - d. Elevated Progeny Differences
2. Adapting animal behavior to fit the needs of people is referred to as?
  - a. Livestock Evaluation
  - b. Animal Production
  - c. Domestication
  - d. Animal Husbandry
3. Which of the following correctly defines the term hybrid vigor?
  - a. The value of the animal as a parent
  - b. The crossbred offspring exceeds the average of the two parental breeds
  - c. A group of animals of the same age, sex and breed composition
  - d. The measure of how inbred an animal is
4. Swine were first domesticated around 4900 BC by the?
  - a. Chinese
  - b. Greeks
  - c. Arabians
  - d. English
5. Which of the following locations is where beef carcasses are ribbed?
  - a. Between the 5th and 6th ribs
  - b. Between the 8th and 9th ribs
  - c. Between the 11th and 12th ribs
  - d. Between the 12th and 13th ribs
6. Which of the following is an essential amino acid in swine diets?
  - a. Alamine
  - b. Serine
  - c. Tyrosine
  - d. Lysine

7. Which of the following is a benefit of “cattle implants”?
- Increase meat tenderness
  - Increase rate of gain
  - Increase marbling
  - Increase lung capacity
8. Which of the following terms is used to describe a heifer which looks like a female?
- Masculine
  - Feminine
  - Broody
  - Balanced
9. The length of gestation in sheep is closest to?
- 114 days
  - 150 days
  - 283 days
  - 336 days
10. The mating of animals in different families within the same breed is known as?
- Outcrossing
  - Linebreeding
  - Crossbreeding
  - Inbreeding
11. Which is not considered a British breed of cattle?
- Red Angus
  - Shorthorn
  - Angus
  - Charolais
12. Which of the following best describes the type of bend a hog should have to its knee?
- Forward
  - Inward
  - Outward
  - Backward
13. A ration that taste good to the animal which promotes consumption is said to be?
- Balanced
  - Concentrated
  - Palatable
  - Nutritional

14. Which division of the ruminant is considered the “true stomach”?
- Abomasum
  - Omasum
  - Reticulum
  - Rumen
15. Which of the following is NOT a characteristic of the ideal breeding gilt?
- Long neck
  - Refined teats
  - Small toes
  - Femininity
16. A maintenance ration in beef cattle is primarily composed of?
- Fats
  - Roughages
  - Carbohydrates
  - Proteins
17. The average length of the estrus cycle for sheep is?
- 12 days
  - 17 days
  - 21 days
  - 22 days
18. The length of gestation for swine is?
- 98 days
  - 114 days
  - 150 days
  - 283 days
19. Which of the following is the least valuable cut on the lamb carcass?
- Leg
  - Loin
  - Rack
  - Shoulder
20. The process of giving birth to a new animal?
- Parturition
  - Gestation
  - Fertilization
  - Ovulation

21. Which classes of sheep are bred primarily for meat?
- Fine Wool Breeds
  - Medium Wool Breeds
  - Crossbred Wool Breeds
  - Fur Sheep Breeds
22. When using performance data in judging hogs, which is NOT one of the indices used as an EPD?
- Sow Productivity Index
  - Terminal Sire Index
  - Maternal Line Index
  - Feed Efficiency Index
23. When judging a market steer class which term is used describe the amount of fat cover on the animal?
- Fluff
  - Carcass Merit
  - Quality
  - Finish
24. The first successful cloning of livestock was done in 1996 with?
- Swine
  - Cattle
  - Sheep
  - Goats
25. Which of the following body parts is not used to evaluate muscle in sheep?
- Pastern
  - Rack
  - Loin
  - Leg
26. An animal that “toes out” is most likely?
- Angular fronted
  - Big footed
  - Straight shoulder
  - Sickle hocked
27. An animal that pushes out in its hock and sets down on the outside of its hoof is referred to as?
- Splay footed
  - Bow legged
  - Pigeon toed
  - Buck-Kneed

28. Which is NOT a known genetic defect of cattle?
- Curly Calf Syndrome (Arthrogryposis Multiplex)
  - Hydrocephalus (Neuropathic Hydrocephalus)
  - TH (Tibial Hemimelia)
  - PSS (Porcine Stress Syndrome)
29. In market lambs Quality Grade is calculated using what criteria?
- Back Fat
  - KPH Fat
  - Flank Streaking
  - LEA
30. Which of the following breeds of sheep have an all-black face, slick legs and long ear?
- Suffolk
  - Dorset
  - Hampshire
  - Southdown
31. Which of the following breeds is known as a “Terminal breed” and has down ears?
- Landrace
  - Yorkshire
  - Chester White
  - Duroc
32. The term used for a castrated male sheep is?
- steer
  - boar
  - wether
  - barrow
33. Which is not a compartment of the ruminant stomach?
- Reticulum
  - Omasum
  - Rumen
  - Jejunum
34. What is visually used by producers to identify what litter each hog belong to?
- Ear notch
  - Color pattern
  - DNA verification
  - Brand

35. Which of the following factors has the greatest impact on quality grade in cattle?
- Marbling
  - Yield Grade
  - Hide Color
  - Rib Fat
36. Which term estimates the portion of the animal that will be used as edible product?
- Dressing Percent
  - Quality Grade
  - Yield Grade
  - Hot carcass weight
37. Which of the following factors do not affect Yield Grade in cattle?
- Dressing Percent
  - Carcass Weight
  - 12<sup>th</sup> rib Back Fat
  - KPH
38. Which of the following starts the rapid growth stage on the standard growth curve?
- Breeding
  - Slaughter
  - Birth
  - Weaning
39. A steer, throughout his life would have an average feed to gain ratio closest to?
- 2 to 1
  - 4 to 1
  - 7 to 1
  - 11 to 1
40. Which is considered a primal cut of pork?
- Rack
  - Picnic Shoulder
  - Round
  - Breast Plate
41. Which of the following areas is used to determine leanness in swine?
- Foot
  - Skull
  - Flank
  - Knees

42. Which of the following body condition scores would be the most appropriate for a lactating cow?
- BCS 1
  - BCS 3
  - BCS 5
  - BCS 8
43. A 1300 pound steer will consume what percentage of his body weight in feed?
- 2%
  - 6%
  - 8%
  - 10%
44. Which of the following species is a “seasonal breeder”?
- Horses
  - Cattle
  - Hogs
  - Sheep
45. The average dressing percent for Cattle is closest to?
- 65%
  - 75%
  - 85%
  - 95%
46. A steer on a “finishing diet” would most likely be consuming what % protein?
- 7%
  - 11%
  - 17%
  - 21%
47. The main energy nutrients found in animal rations are?
- Proteins
  - Amino Acids
  - Fats
  - Carbohydrates
48. What organ in the female reproductive tract produces the eggs?
- Cervix
  - Ovaries
  - Uterus
  - Vulva

49. Which of the following is the most desirable shape of a market hog?

- a. Round
- b. Hourglass
- c. Diamond
- d. Triangle

50. Which of the following terms describes a steer with too much set to his rear leg?

- a. Pigeon-toed
- b. Bow-Legged
- c. Sickle-hocked
- d. Straight

# FFA Test Key

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|-------|-------|
| 1. B  | 38. D |
| 2. D  | 39. C |
| 3. B  | 40. B |
| 4. A  | 41. C |
| 5. D  | 42. C |
| 6. D  | 43. A |
| 7. B  | 44. D |
| 8. B  | 45. A |
| 9. B  | 46. B |
| 10. A | 47. D |
| 11. D | 48. B |
| 12. D | 49. B |
| 13. C | 50. C |
| 14. A |       |
| 15. C |       |
| 16. B |       |
| 17. B |       |
| 18. B |       |
| 19. D |       |
| 20. A |       |
| 21. B |       |
| 22. D |       |
| 23. D |       |
| 24. C |       |
| 25. A |       |
| 26. C |       |
| 27. B |       |
| 28. D |       |
| 29. C |       |
| 30. A |       |
| 31. D |       |
| 32. C |       |
| 33. D |       |
| 34. A |       |
| 35. A |       |
| 36. C |       |
| 37. A |       |