

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. Alanine
 - b. Serine
 - c. Tyrosine
 - d. Lysine

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

14. Which division of the ruminant is considered the “true stomach”?
 - a. Abomasum
 - b. Omasum
 - c. Reticulum
 - d. Rumen
15. Which of the following is NOT a characteristic of the ideal breeding gilt?
 - a. Long neck
 - b. Refined teats
 - c. Small toes
 - d. Femininity
16. A maintenance ration in beef cattle is primarily composed of?
 - a. Fats
 - b. Roughages
 - c. Carbohydrates
 - d. Proteins
17. The average length of the estrus cycle for sheep is?
 - a. 12 days
 - b. 17 days
 - c. 21 days
 - d. 22 days
18. The length of gestation for swine is?
 - a. 98 days
 - b. 114 days
 - c. 150 days
 - d. 283 days
19. Which of the following is the least valuable cut on the lamb carcass?
 - a. Leg
 - b. Loin
 - c. Rack
 - d. Shoulder
20. The process of giving of giving birth to a new animal?
 - a. Parturition
 - b. Gestation
 - c. Fertilization
 - d. 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
 - 12th 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?
- a. BCS 1
 - b. BCS 3
 - c. BCS 5
 - d. BCS 8
43. A 1300 pound steer will consume what percentage of his body weight in feed?
- a. 2%
 - b. 6%
 - c. 8%
 - d. 10%
44. Which of the following species is a “seasonal breeder”?
- a. Horses
 - b. Cattle
 - c. Hogs
 - d. Sheep
45. The average dressing percent for Cattle is closest to?
- a. 65%
 - b. 75%
 - c. 85%
 - d. 95%
46. A steer on a “finishing diet” would most likely be consuming what % protein?
- a. 7%
 - b. 11%
 - c. 17%
 - d. 21%
47. The main energy nutrients found in animal rations are?
- a. Proteins
 - b. Amino Acids
 - c. Fats
 - d. Carbohydrates
48. What organ in the female reproductive tract produces the eggs?
- a. Cervix
 - b. Ovaries
 - c. Uterus
 - d. 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 | |