

2018 Minnesota FFA Small Animal CDE Exam

Choose the most correct answer to the question and fill in the answer on the scantron.

1. Arthritis is
 - a. breaking of the joints of an animal
 - b. inflammation of the joints of an animal
 - c. inflammation of the muscles of an animal
 - d. not a problem in dogs or cats

2. The term caudal refers to
 - a. to the head or in a direction towards the head of an animal
 - b. to the center or in a direction the middle of an animal
 - c. to the rear or in a direction toward the rear of an animal
 - d. to the top or in a direction toward the top of an animal

3. A cardiac muscle cell is
 - a. spindle shaped
 - b. rectangular shaped
 - c. elongated
 - d. square shaped

4. Muscles attached to the ____ of the sternum often account for over half of the bird's body weight.
 - a. Alula
 - b. Carpometacarpus
 - c. Cloaca
 - d. Keel

5. The _____ gland produces the tears that keep a dog's cornea moist.
 - a. Ciliary
 - b. Lacrimal
 - c. Tapetum
 - d. Utricle

6. _____ scales are round and smooth.
 - a. placoid
 - b. scutes
 - c. cycloid
 - d. ctenoid

7. Bottom feeders have a ____ mouth.
 - a. Superior
 - b. Inferior
 - c. Terminal
 - d. Sub-terminal

8. Dog hookworm is confirmed by checking
 - a. a blood sample
 - b. a urine sample
 - c. a feces sample
 - d. the dogs joints

9. The _____ is a crustacean that buries it's head into the fish's tissue.
 - a. Fish louse
 - b. Anchor worm
 - c. Blood worm
 - d. Hydatid

10. The most serious blood parasite in birds is ____.
- Proglottids
 - Knemidocoptes
 - Leucocytozoon
 - Dermanyssus
11. The phenotype of an animal is
- All the genes possessed by the animal
 - The union of gametes carrying different alleles
 - The physical appearance of an animal
 - The term used to describe a heterozygous condition
12. Estrus is a stage in the reproductive stage of the female cat or dog also known as
- heat
 - pregnancy
 - epistaxis
 - meiosis
13. A phenomenon known as _____ or masking occurs when some genes overwhelm the characteristics produced by other genes.
- Epistasis
 - Estancia
 - Enology
 - Egestion
14. In birds, the urinary and sexual openings are in the _____.
- Cloaca
 - Ceca
 - Collop
 - Copra
15. Dogs have a gestation period of _____ days.
- 45
 - 55
 - 63
 - 73
16. Grooming consumes ____ percent of a cat's waking hours.
- 20 to 40
 - 30 to 50
 - 40 to 60
 - 50 to 70
17. Which of the following must be supplemented to a vegetarian diet fed to cats?
- vitamin A
 - thiamin
 - starch
 - vitamin D
18. Which vitamin deficiency is most commonly associated with the long term feeding of seeds to birds (choose one)?
- Iron
 - Vitamin A
 - Iodine
 - Choline

19. Which of the following nutrients is the most concentrated source of energy?
- water
 - carbohydrates
 - lipids
 - protein
20. Which of the following is **not** a purpose for using fiber in companion animal diets?
- increases rate of passage of food
 - cheap feed ingredient
 - adds palatability to the diet
 - used in weight reduction diets
21. The term "lite" on a pet food label refers to
- fiber content
 - moisture content
 - fat content
 - caloric content
22. Cats do not have the ability to synthesize this essential fatty acid and it must be provided in the diet
- glycocholic acid
 - stearic acid
 - arachidonic acid
 - oleic acid
23. Siamese cats can be susceptible to toxicity of which of the following minerals?
- iron
 - cobalt
 - zinc
 - manganese
24. Which of the following is **not** a primary role of water?
- lubricates body joints and tissue
 - facilitates metabolic reactions in the body
 - source of energy
 - regulates body temperature
25. Because rabbits practice coprophagy, their requirement for which of the following vitamins is minimal?
- Vitamin A
 - B vitamins
 - Vitamin E
 - Vitamin D
26. If supplemental meat or table scraps are fed to adult dogs at maintenance, they should account for no more than
- 10% of the total diet
 - 25% of the total diet
 - 50% of the total diet
 - 75% of the total diet
27. The average litter size for cats is
- 1-3 kittens
 - 4-6 kittens
 - 7-8 kittens
 - 9-10 kittens

28. In pregnant bitches, fetal growth during the first 5 to 6 weeks of pregnancy is
- less than 30%
 - between 30-40%
 - between 40-50%
 - greater than 50%
29. Rabbits become sexually mature at
- 2 to 5 months of age
 - 5 to 8 months of age
 - 9 to 12 months of age
 - greater than one year of age
30. The term used for the birth process in rabbits is
- whelping
 - kindling
 - parturition
 - queening
31. The sperm of male fish is referred to as
- milt
 - gilt
 - lilt
 - zilt
32. Vaccinations to help safeguard a puppy's health are available for the following diseases except for
- vulvulus
 - rabies
 - parvovirus
 - hepatitis
33. Of the following breeds of cats, which is a longhaired breed?
- Manx
 - Sphynx
 - Abyssinian
 - Somali
34. Dogs should be bathed
- only when they become extremely dirty
 - every week
 - every month
 - once a year
35. Which of the following is in the working group of dogs?
- Italian Greyhound
 - Rottweiler
 - Bulldog
 - Basenji
36. Free-choice feeding in kennel settings may be beneficial because it
- increases nutrient intake by maximizing coprophagy
 - minimizes the noise associated with meal time
 - helps to detect anorexia
 - helps to detect overconsumption

37. An increase in nitrates and nitrites in fish tanks is due to
- dirty filters
 - accumulation of uneaten food
 - overpopulation of fish
 - all of the above
38. Cages for rabbits that weigh from 6 to 11 pounds should be
- 24 inches wide, 24 inches long and 14 inches high
 - 24 inches wide, 36 inches long and 18 inches high
 - 24 inches wide, 48 inches long and 18 inches high
 - 30 inches wide, 48 inches long and 24 inches high
39. Which of the following materials is least desirable for feed containers for large parrot-type birds?
- plastic
 - glass
 - ceramic
 - stainless steel
40. The organ within the ear that enables the cat to hear sounds in the ultrasonic range is
- nicitating membrane
 - olfactory mucosa
 - cochlea
 - Jacobson's organ
41. The medulla oblongata influences
- digestion.
 - equilibrium.
 - reasoning.
 - sight.
42. Muscles attach to bones by means of
- ligaments.
 - tendons.
 - bones.
 - gristle.
43. Lower back vertebrae are called
- caudal.
 - cervical.
 - lumbar
 - thoracic..
44. The adrenal glands are located
- at the base of the brain.
 - on the thorax.
 - above the kidneys.
 - within the thyroid.
45. The _____ is a tube supported by C – shaped cartilage rings.
- alveoli
 - capillary
 - pleura
 - trachea

46. The protective covering of the kidneys and the ureters is the
- renal fascia.
 - renal capsule.
 - renal cortex.
 - renal pyramids.
47. A major waste product from any nitrogen based food is
- uric acid.
 - urea.
 - amino acids.
 - ammonia.
48. The dog's withers is located
- at the top of the head.
 - at the base of the tail.
 - at the upper thigh.
 - at the top of the shoulder.
49. The Lhasa Apso has
- a wiry undercoat and a soft topcoat.
 - dark ears, feet and tail.
 - a tapering muzzle.
 - a tail that curves up over its back.
50. Tabby refers to
- white, black and orange patches.
 - a solid colored cat.
 - an orange and black pattern.
 - any colored striped pattern.

2018 Minnesota FFA Small Animal CDE Exam Key

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