

2017 Minnesota Small Animal CDE Exam
Multiple Choice: Bubble in the most correct answer on your scantron

1. A deficiency of iodine in the diet of birds may lead to this condition.
 - a. Rickets
 - b. New Castle Disease
 - c. Goiter
 - d. Candidiasis

2. This rabbit disease is caused by the bacteria Pasteurella multocida.
 - a. Enteritis
 - b. Wet Dewlaps
 - c. Snuffles
 - d. Tyzzer's Disease

3. This canine internal parasite lives in the dog's lower digestive tract especially the cecum.
 - a. Hook worm ((*Ancylostoma caninum*))
 - b. Roundworm (*Toxocara canis*)
 - c. Tapeworm (*Taenia pisiformis*)
 - d. Whipworm (*Trichuris vulpis*)

4. This is a common fungal disease of mammals.
 - a. Ringworm
 - b. Cherry eye
 - c. Ascarids
 - d. Mange

5. Even though the most common way to contract this zoonotic disease is by eating undercooked meats, pregnant women should avoid handling cat litter boxes as well to avoid exposure to it.
 - a. Panleukopenia
 - b. Toxoplasmosis
 - c. Haemobartonellosis
 - d. Rhinosporidium

6. This tick can infest buildings and kennels.
 - a. the American dog tick
 - b. the wood tick
 - c. the brown dog tick
 - d. the lone star tick

7. What is the term for a rabbit doe giving birth?
 - a. queening
 - b. kindling
 - c. whelping
 - d. farrowing

8. What are the stages of mitosis in their correct order?
 - a. prophase, metaphase, interphase, telophase, anaphase
 - b. anaphase, prophase, metaphase, telophase, interphase
 - c. telophase, anaphase, interphase, prophase metaphase
 - d. interphase, prophase, metaphase, anaphase, telophase

9. What are the stages of estrous in their correct order?
- proestrus, estrus, anestrus, diestrus
 - estrus, proestrus, diestrus, anestrus
 - anestrus, proestrus, estrus, diestrus
 - anestrus, proestrus, diestrus, estrus
10. These animals lay eggs.
- oviparous
 - larviparous
 - ovoviviparous
 - ovolarviparous
11. This basic nutrient provides energy, fiber and bulkiness to an animal's diet.
- vitamins
 - proteins
 - fats
 - carbohydrates
12. Because cats are true carnivores, they need increased amounts of this amino acid in their diet.
- Taurine
 - Thiamine
 - Folic Acid
 - Biotin
13. Which of these vitamins is fat-soluble?
- Vitamin A
 - Vitamin C
 - Riboflavin
 - Niacin
14. 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
15. What is the vector for heartworm?
- flies
 - ants
 - mosquitoes
 - gnats
16. Lower back vertebrae are called
- caudal
 - cervical
 - lumbar
 - thoracic
17. What is the average length of a rabbit's pregnancy (in months)?
- $\frac{1}{2}$ of a month
 - 1 month
 - $1\frac{1}{2}$ months
 - 2 months

18. A puncture wound to your dog may result in
- distemper
 - hepatitis
 - leptospirosis
 - tetanus
19. A smooth muscle is found in the
- back
 - neck
 - stomach
 - heart
20. The Jacobson's organ is found in
- rabbits
 - birds
 - cats
 - all of the above
21. An emaciated cat would have extreme
- loss of blood
 - loss of hair
 - weight loss
 - nasal discharge
22. Which of the following dogs is prone to back problems?
- Chow Chow
 - Dachshund
 - Labrador Retriever
 - Poodle
23. Dogs have a gestation period of _____ days on average.
- 45
 - 55
 - 63
 - 73
24. This term describes a stumbling gait.
- ataxia
 - nystagmus
 - epilepsy
 - atrophy
25. To encourage preening in birds, they should be offered this.
- fresh fruits and vegetables
 - oyster shell in their diet
 - regular bathing or misting
 - different diameter perches

26. This is a common blood vessel used to take a dog's pulse.
- the jugular vein
 - the aorta
 - the vena cava
 - the femoral artery
27. The number of cervical vertebrae in all mammals is:
- 5
 - 6
 - 7
 - 8
28. The three portions of the small intestine are:
- duodenum, ileum, cecum
 - cecum, colon, rectum
 - duodenum, jejunum, colon
 - duodenum, jejunum, ileum
29. The reproductive cycle in the female dog is:
- polyestrous
 - seasonal polyestrous
 - monoestrous
 - none of the above
30. the word "plasma" refers to:
- the fluid portion of the blood
 - the formed elements of the blood
 - the electrolytes dissolved in the blood
 - the white blood cells
31. The guaranteed analysis in a pet food label contains (as %)
- minimum for crude protein, fat, moisture and crude fiber.
 - maximum for crude protein, fat, moisture and crude fiber.
 - maximum for crude protein, fat, with minimum for moisture and crude fiber
 - minimum for crude protein, fat, with maximum for moisture and crude fiber
32. Antibiotics are effective in:
- viral infections
 - bacterial infections
 - parasitic infestations
 - all of the above
33. Gill flukes in fish are caused by:
- parasites
 - virus
 - bacteria
 - fungus
34. Muscles attach to bones by means of:
- ligaments
 - tendons
 - bones
 - gristle

35. Arthritis is:
- breaking of the joints of an animal
 - inflammation of the joints of an animal
 - inflammation of the muscles of an animal
 - not a problem in dogs and cats
36. Which of the following is not a RNA base?
- Adenine
 - Uracil
 - Thymine
 - Cytosine
37. What stage of estrous is the female receptive to the male?
- proestrus
 - estrus
 - anestrus
 - diestrus
38. What nutrient supports biochemical reactions in the body, transports other nutrients, and helps give the body its form?
- vitamins
 - protein
 - water
 - carbohydrates
39. What life stage requires the most protein in its diet?
- growing puppy
 - young adult
 - middle aged adult
 - senior adult
40. This feline disease is caused by a coronavirus.
- Rhinotracheitis
 - Rabies
 - Feline Infectious Peritonitis
 - Feline Urologic Syndrome
41. Dogs and cats can get tapeworm for ingesting which of the following?
- raw fish
 - flies
 - ticks
 - fleas
42. This tick spreads Lyme Disease.
- the American dog tick
 - the deer tick
 - the brown dog tick
 - the lone star tick

43. This cat is known for its unusual ears.
- Manx
 - Japanese Bobtail
 - Scottish Fold
 - Ocicat
44. How long is the gestation of the feline?
- 21 days
 - 63 days
 - 148 days
 - 115 days
-
45. This front leg bone is connected to the scapula.
- humerus
 - ulna
 - femur
 - radius
46. These rabbits are raised for their wool, prized by hand spinners in the USA.
- Californian
 - Rex
 - English Angora
 - Jersey Woolly
47. Which of the following blood cells is a leukocyte or white blood cell?
- eosinophil
 - erythrocyte
 - thrombocyte
 - platelet
48. This term is used for an abnormal increase in an animal's heart rate.
- dyspnea (corrected typo)
 - tachycardia
 - apnea
 - bradycardia
49. This muscular wall separates the right and left sides of the mammalian heart.
- chordae tendineae
 - aorta
 - septum
 - vena cava
50. This term describes the wasting away of muscle tissue:
- ataxia
 - nystagmus
 - epilepsy
 - atrophy

2017 MN Small Animal CDE Exam

ANSWER KEY

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