

**2018 Veterinary Science CDE
Written Exam**

1. Which example provides passive immunity?
 - a. Colostrum
 - b. Killed Rabies vaccine
 - c. Modified live vaccine
 - d. Recovering from an illness

2. Where are the “splint bones” in a horse?
 - a. Base of tail
 - b. Lower leg
 - c. Shoulder
 - d. Lower neck

3. What part of the eye is clear in a young, healthy animal?
 - a. Retina
 - b. Iris
 - c. Sclera
 - d. Lens

4. Which organ is not involved in breaking down fats?
 - a. Pancreas
 - b. Liver
 - c. Gallbladder
 - d. Large intestine

5. Which vitamin is responsible for reproductive and muscle health?
 - a. A
 - b. D
 - c. E
 - d. K

6. What term describes the abnormal noise heard when the linings of the lungs and chest are inflamed?
 - a. Cyanosis
 - b. Expiration
 - c. Pleural friction rub
 - d. Mild Crepitus

7. Needle teeth are found in which newborn?
 - a. Calf
 - b. Foal
 - c. Piglet
 - d. Chick

8. Which species typically has 2 mammary glands?
- a. Ovine
 - b. Bovine
 - c. Porcine
 - d. Canine
9. Which gland produces adrenaline and epinephrine?
- a. Adrenal gland
 - b. Pituitary gland
 - c. Thyroid gland
 - d. Meibomian gland
10. What term describes the organized muscle contractions that move food down the esophagus and into the stomach?
- a. Peristalsis
 - b. Blepharospasm
 - c. Agglutination
 - d. Lysis
11. On an ultrasound, the areas that appear dark relative to surrounding areas are said to be
- a. Hypoechoic
 - b. Isoechoic
 - c. Hyperechoic
 - d. Subechoic
12. What term describes a disorder of unknown cause?
- a. Isotonic
 - b. Idiopathic
 - c. Infectious
 - d. Iatrogenic
13. The body needs sunlight to produce which vitamin?
- a. A
 - b. D
 - c. E
 - d. K
14. Keeping an aquarium clean and not overcrowding the tank will help avoid dangerous levels of
- a. Ammonia
 - b. Phosphorus
 - c. Oxygen
 - d. Calcium

15. Which animal is not monogastric?

- a. Goat
- b. Horse
- c. Cat
- d. Dog

16. Which of the following does not describe a male equine?

- a. Stallion
- b. Colt
- c. Filly
- d. Gelding

17. Bile is stored in which organ?

- a. Liver
- b. Gallbladder
- c. Pancreas
- d. Small intestine

18. A producer calls you because his cow is in labor and he can see "the bag of waters." What is he seeing?

- a. Amniotic sac
- b. Umbilical cord
- c. Chorion
- d. Caruncles

19. The vestibular system directly affects which of the following?

- a. Digestion
- b. Reproduction
- c. Balance
- d. Temperament

20. When a cow is in heat (or "standing heat") she is in which phase of the estrous cycle?

- a. Proestrus
- b. Estrus
- c. Metestrus
- d. Anestrus

21. What is another name for a female equine never bred?

- a. Brood mare
- b. Agalactic mare
- c. Wet mare
- d. Maiden mare

22. Which animal is oviparous?

- a. Hen
- b. Mare
- c. Queen
- d. Doe

23. Hyperlipidemia describes blood with an abnormally high level of

- a. Water
- b. Calcium
- c. Glucose
- d. Fats

24. Bilirubin is found in urine when which organ is not functioning?

- a. Heart
- b. Stomach
- c. Lungs
- d. Liver

25. Overfeeding which food item causes obesity in birds and pocket pets?

- a. Lettuce
- b. Beets
- c. Rolled oats
- d. Sunflower seeds

26. The fetus receives nutrients through the

- a. Umbilical cord
- b. Caudal vena cava
- c. Stomach
- d. Large intestine

27. Chameleons have the ability to change color by using which of the following?

- a. Trypsin
- b. Melanin
- c. Cortisol
- d. Cobalamin

28. Several factors are important when housing rabbits to avoid disease, including the absence of

- a. Light
- b. Drafts
- c. Wire
- d. Nest boxes

29. Which clinical sign is associated with congestive heart failure?

- a. Hyperthermia
- b. Stranguria
- c. Halitosis
- d. Ascites

30. Dogs at high risk for developing gastric dilation volvulus typically share what characteristic?
- Short nose
 - Long body
 - Deep chest
 - Pendulous abdomen
31. Acetaminophen, or Tylenol, is toxic to animals and damages which organ?
- Heart
 - Kidney
 - Pancreas
 - Spleen
32. Animals can have nutrient deficiencies that lead to muscle spasms or twitching, otherwise known as
- Tetany
 - Dystrophy
 - Laxity
 - Myoplasty
33. Dialysis can be performed when which organ is not functioning?
- Pancreas
 - Liver
 - Kidney
 - Gallbladder
34. Which organ absorbs the majority of nutrients from ingested food?
- Large intestine
 - Stomach
 - Esophagus
 - Small intestine
35. Which disease is not caused by a prion?
- Mad cow disease
 - Creutzfeldt-Jakob disease
 - Contagious eczema
 - Scrapie
36. Which is a tick-borne disease that causes a “bull’s-eye” skin lesion, flu-like symptoms, and potentially organ damage?
- Anaplasmosis
 - Lyme disease
 - Ehrlichiosis
 - Rocky Mountain Spotted Fever

37. Blackleg, overeating disease, and pulpy kidney are all caused by various species of which pathogen?
- Campylobacter*
 - Coronavirus
 - Chlamydophila*
 - Clostridium*
38. Rickettsial diseases are transmitted by which parasite?
- Roundworms
 - Flies
 - Mosquitoes
 - Ticks
39. Which is not true about urinary incontinence in dogs?
- Females have a higher incidence
 - Most respond well to estrogen
 - They often leak urine while sleeping
 - Neutering males cause an increased risk
40. Dirofilariasis is another name for infection of which parasite?
- Heartworm
 - Roundworm
 - Hookworm
 - Tapeworm
41. Which animal has the fastest heart rate?
- Cat
 - Goat
 - Hamster
 - Sheep
42. Which is not typically seen with early diabetes mellitus?
- Excessive thirst
 - Weight gain
 - Increased urination
 - Increased appetite
43. A jaundiced animal's gums will be which color?
- Pink
 - Purple
 - Blue
 - Yellow
44. With a spinal cord injury, what deficit causes "knuckling" and the lack of awareness of where one's limbs are in space?
- Sciatic deficit
 - Conscious proprioceptive deficit
 - Menace reflex deficit
 - Autonomic receptive deficit

45. Which antibody does the body make in response to invading germs and is the only one that can cross the placenta?
- a. IgA
 - b. IgE
 - c. IgG
 - d. IgM
46. Elevated intraocular pressure causes what disorder?
- a. Glaucoma
 - b. Entropion
 - c. Blepharitis
 - d. Corneal ulceration
47. Preictal, ictus, and postictal are the 3 stages of what disorder?
- a. Gastroenteritis
 - b. Tooth decay
 - c. Seizure
 - d. Arthritis
48. What is another name for the voice box?
- a. Soft palate
 - b. Epiglottis
 - c. Pleura
 - d. Larynx
49. What is another name for the percentage of erythrocytes in the blood?
- a. Hematocrit
 - b. Leukogram
 - c. Red cell count
 - d. Differential
50. What describes a tumor that is not cancerous?
- a. Malignant
 - b. Benign
 - c. Metastases
 - d. Carcinoma