

**2014 Veterinary Science CDE
Written Exam**

1. What is the common name for the third phalanx of a horse?
 - a. Cannon bone
 - b. Pastern
 - c. Coffin bone
 - d. Frog
2. During inspiration, what does the diaphragm do?
 - a. Relaxes, allowing the chest to expand
 - b. Contracts, drawing it closer to the thorax
 - c. Contracts, drawing it closer to the abdomen
 - d. Relaxes, lowering the pressure in the chest
3. Which condition is non-infectious in horses?
 - a. Pneumonia
 - b. Endocarditis
 - c. Heaves
 - d. Enteritis
4. What is the medical term for eardrum?
 - a. Eustachian membrane
 - b. Descemet's membrane
 - c. Nictitating membrane
 - d. Tympanic membrane
5. Ethylene glycol can cause severe damage to which organ?
 - a. Liver
 - b. Kidney
 - c. Pancreas
 - d. Ovary
6. Which is produced in the medulla of the adrenal gland?
 - a. Aldosterone
 - b. Epinephrine
 - c. Insulin
 - d. Cortisol
7. What establishes the basic rhythm of the mammalian heart, also known as the pacemaker?
 - a. Papillary muscles
 - b. Bundle of His
 - c. Atrioventricular node
 - d. Sinoatrial node

8. Which term means “hypersalivation”?
 - a. Ptyalism
 - b. Prehension
 - c. Peristalsis
 - d. Polydipsia
9. Which nutrient can be added to increase palatability to a food?
 - a. Carbohydrate
 - b. Protein
 - c. Fat
 - d. Water
10. Which infectious disease involves the respiratory system?
 - a. Fowl salmonellosis
 - b. Canine distemper
 - c. Canine coronavirus
 - d. Canine giardiasis
11. Which term means “urinating more frequently”?
 - a. Pyuria
 - b. Proteinuria
 - c. Polyuria
 - d. Pollakiuria
12. What is the muscular stomach of a chicken’s gastrointestinal tract called, also known as the gizzard?
 - a. Ventriculus
 - b. Cloaca
 - c. Crop
 - d. Furcula
13. Cats need increased quantities of certain amino acids compared to dogs. Which of the following is not needed at an increased quantity?
 - a. Taurine
 - b. Arginine
 - c. Methionine
 - d. Lysine
14. What percentage of water loss is considered very serious but generally not life threatening?
 - a. 5% of the body’s water
 - b. 10% of the body’s water
 - c. 15% of the body’s water
 - d. 20% of the body’s water
15. Which vitamin is not considered an antioxidant?
 - a. Vitamin K
 - b. Vitamin E
 - c. Vitamin C
 - d. Vitamin A

16. What hormone does the corpus luteum provide?

- a. Estrogen
- b. Progesterone
- c. Luteinizing hormone
- d. Follicle stimulating hormone

17. What hormone stimulates “milk let-down”?

- a. Estrogen
- b. Lactose
- c. Oxytocin
- d. Progesterone

18. What is the medical term for a failure of one or both testes to descend into the scrotum?

- a. Orchitis
- b. Cryptorchidism
- c. Scrotal hydrocele
- d. Epididymitis

19. What does pyometra mean?

- a. Infection with pus in the uterus
- b. Abnormally formed uterus
- c. Increased temperature of the uterus
- d. Fluid in the uterus

20. What is the average length of gestation in swine?

- a. 3 months, 3 weeks, 12 hours
- b. 3 months, 3 days, 3 hours
- c. 2 months, 2 weeks, 2 days
- d. 3 months, 3 weeks, 3 days

21. If a heterozygous polled cow (Pp) is bred with a heterozygous polled bull (Pp), what fraction represents the offspring that will have horns?

- a. $\frac{1}{4}$
- b. $\frac{1}{2}$
- c. $\frac{3}{4}$
- d. $\frac{0}{4}$

22. Which term specifically describes a genetic defect present at birth?

- a. Aberration
- b. Congenital
- c. Anomaly
- d. Inherited

23. Which anatomical site does not contain a cartilage joint?
- Growth plate of a long bone
 - Suture in the skull
 - Between the halves of the lower jaw
 - Between two vertebrae
24. Which term means “abnormal accumulation of fluid in the abdomen”?
- Ascites
 - Atresia
 - Achalasia
 - Ascariasis
25. Polioencephalomalacia occurs because of what deficiency?
- Cobolamin
 - Thiamine
 - Selenium
 - Calcium
26. If a client became angry and argumentative during an office visit who should you, the veterinary assistant, find to handle the situation?
- Veterinarian
 - Receptionist
 - Technician
 - Office manager
27. Which is not a vector borne disease?
- Blackleg
 - Heartworm Disease
 - Lyme Disease
 - Pinkeye
28. Why are cuttle bones an important feature in a bird’s environment?
- Provides magnesium to young birds
 - Promotes good beak health
 - Promotes interaction with other birds
 - Provides calcium to egg-laying females
29. What would you use to measure intraocular pressure?
- Goniometry
 - Slit lamp examination
 - Tonometry
 - Cycloplegics
30. Which term describes mass prophylactic use of antibiotics in livestock during times where there is a high risk of illness?
- Metaphylaxis
 - Anaphylaxis
 - Quarantine
 - Paraphylaxis

31. What is the only class of immunoglobulins that can cross the placenta?
- IgA
 - IgE
 - IgG
 - IgM
32. A cataract is a cloudiness of what part of the eye?
- Lens
 - Retina
 - Choroid
 - Cornea
33. What organ stimulates the pituitary gland to act?
- Hypothalamus
 - Neurohypophysis
 - Hypophysis
 - Hyperthalamus
34. When a twisted stomach occurs, which of the cow's four stomach compartments becomes displaced?
- Rumen
 - Omasum
 - Reticulum
 - Abomasum
35. Which toxin does not cause anemia in pets?
- Chocolate
 - Onions
 - Zinc
 - Lead
36. What are the technical names, in the correct order, for the "hooks and pins" of a cow?
- Ischium and ilium
 - Ilium and ischium
 - Acetabulum and Ilium
 - Ilium and acetabulum
37. An infestation of which parasite may lead to "wry neck" in rabbits?
- Fur mites
 - Ear mites
 - Ringworm
 - Pinworm
38. Which neoplasm is benign?
- Adenocarcinoma
 - Squamous cell carcinoma
 - Hemangioma
 - Osteosarcoma

39. Which term is not based on science?
- Animal husbandry
 - Animal welfare
 - Animal nutrition
 - Animal rights
40. Which disease is caused by a retrovirus?
- Feline panleukopenia
 - Feline rhinotracheitis
 - Feline infectious peritonitis
 - Feline leukemia
41. Which task does not help prevent ammonia from reaching harmful levels in an aquarium?
- Changing filters regularly
 - Avoiding overpopulation
 - Avoiding changing the water
 - Feeding only what the fish will eat daily
42. Which of the following would not cause brown or orange stains on surgical instruments?
- Ammonia
 - Chlorohexadine
 - Saline
 - Laundry soap
43. Which is not a physiological response to pain?
- Elevated blood sugar
 - Dilated pupils
 - Shallow breathing
 - Muscle rigidity
44. Which best describes a scenario where it may be best not to bandage a wound on the lower leg of a horse?
- Tall grassy pasture
 - Long tail on horse
 - Fly season
 - Humid weather
45. Which bacterium is the causative agent for foot rot?
- Actinobacillus lignieresii*
 - Mannheimia hemolytica*
 - Mycobacterium paratuberculosis*
 - Fusobacterium necrophorum*
46. What are the five stages of density on a radiograph, in order from most radiopaque to most radiolucent?
- Air, fat, muscles, organs, and bone
 - Air, fat, soft tissue, bone, and mineral
 - Mineral, bone, soft tissue, fat, and air
 - Bone, organs, muscles, fat, and air

47. Which disease is zoonotic and transmitted via direct contact of contaminated water and soil?
- a. Leptospirosis
 - b. Q fever
 - c. Canine parvo
 - d. Plague
48. Even if not sterilized right away, surgical instruments should be washed within what time to avoid corrosion and staining?
- a. 10
 - b. 20
 - c. 30
 - d. 40
49. Which is a disadvantage of using a killed vaccine compared to a modified live vaccine?
- a. Has to be reconstituted
 - b. Shorter duration of protection
 - c. Easily inactivated with sunlight
 - d. Not safe in pregnant animals
50. In patients with congestive heart failure, which of the following should be restricted in the diet?
- a. Phosphorus
 - b. Fat soluble vitamins
 - c. Protein
 - d. Sodium