

National FFA Veterinary Science CDE Written Exam 2022

1. When bringing a ferret home the owner should
 - a. Start training immediately
 - b. Give the ferret time to adjust to its new environment
 - c. Talk loudly to the ferret so it learns the owner's voice
 - d. Lock them in a room away from the rest of the household
2. Which breed of cat has a complete lack of tail due to breed characteristics/standards?
 - a. Manx
 - b. Ocicat
 - c. Bombay
 - d. Abyssinian
3. Which species nearly went extinct in the wild due to poachers trapping them for their pelts?
 - a. Ferrets
 - b. Rabbits
 - c. Chinchillas
 - d. Guinea Pigs
4. All species of snakes fall into the family Boidae except:
 - a. Reticulated python
 - b. Anaconda
 - c. Boa constrictor
 - d. Corn snake
5. Birds have four types of feathers. The purpose of the down feathers is
 - a. Insulation
 - b. Assist with flight
 - c. Sensory
 - d. Provide the bird's color
6. In fish, where is the caudal fin located?
 - a. On the back
 - b. On the side
 - c. On the belly
 - d. On the tail
7. The typical average lifespan of a hedgehog is
 - a. 1 year
 - b. 5 years
 - c. 10 years
 - d. 30 years

8. Rabbits are used for all of the following except:
 - a. Pets
 - b. Meat
 - c. Research
 - d. Hunting rodents
9. The most abundant species of the hamsters are
 - a. Golden hamsters
 - b. Dwarf hamsters
 - c. European hamsters
 - d. Romanian hamsters
10. Which species communicates by standing upright and pounding their rear feet?
 - a. Hamsters
 - b. Guinea pigs
 - c. Gerbils
 - d. Ferrets
11. Which organization/association was developed for the exchange of information and humane care of laboratory animals used in research?
 - a. AMA
 - b. AVMA
 - c. AALAS
 - d. AWA
12. Blood is composed of cells and plasma. Plasma is made up of all the following proteins except:
 - a. Albumin
 - b. Globulin
 - c. Fibrinogen
 - d. Pepsin
13. A female with a uterine infection where the uterus fills with purulent material (aka pus) is known as
 - a. Pyometra
 - b. Pyoderma
 - c. Hyperplasia
 - d. Brucellosis
14. Encephalitis is commonly called
 - a. Blind staggers
 - b. Sleeping sickness
 - c. Cancer
 - d. Bang's disease

15. Listening to the heart and lungs through a stethoscope is known as
- Auscultation
 - Palpation
 - Arrhythmia
 - Observation
16. All of the following are included in the anatomy of a dog's toenail except
- Nailbed
 - Quick
 - Keratin
 - Epidermis
17. Indicator strips/tape on/in a surgical pack are activated when
- Proper temperature has been reached
 - Proper pressure has been reached
 - Proper time has been reached
 - All of the above
18. A cat with extra toes is known as
- Polydactyl
 - Teradactyl
 - Polyphalanges
 - Teraphalanges
19. Llamas are bred for all of the following except
- Meat
 - Fiber
 - Riding
 - Packing
20. All of the following are types of restraint used on a horse except
- Pinching
 - Hobbles
 - Twitching
 - Nose tongs
21. The peripheral nervous system consists of the sensory somatic system and
- Plexus system
 - Accessory system
 - Automatic system
 - Autonomic system

22. Blood returns to the heart through the large vessel called the
- Vena cava
 - Ventricle
 - Coronary artery
 - Pulmonary vein
23. _____ tissue is also referred to as fat.
- Corium
 - Adipose
 - Striated
 - Neuron
24. Passive immunity is acquired by
- Vaccinations
 - Exposure to disease
 - Transferred from one animal to another
 - Preventatives
25. The pituitary gland releases hormones that affect all of the following except
- Blood pressure
 - Kidneys
 - Thyroid
 - Uterus
26. All of the following are part of the six major components of animal diets except
- Water
 - Carbohydrates
 - Probiotics
 - Vitamins
27. Bacteria present in four shapes. Which of the following is rod shaped?
- Staphylococci
 - Streptococci
 - Bacilli
 - Spirochetes
28. Ruminants are said to have four stomachs. All of the following are part of the ruminant's stomach except
- Abomasum
 - Cecum
 - Omasum
 - Reticulum

29. The crown of a cat's tooth is covered in _____, the hardest substance in the body.
- Cementum
 - Dentin
 - Pulp
 - Enamel
30. Alveoli, where gas exchange takes place in the lungs, are located at the end of the _____
- Trachea
 - Bronchus
 - Bronchiole
 - Cartilage ring
31. The pelt of an animal refers to the
- Fur
 - Skin
 - Fur and skin
 - None of the above
32. Inflammation of the kidney is
- Nephrosis
 - Nephroptosis
 - Nephritis
 - Nephropathy
33. The "knee" in people is known as what in horses?
- Hock joint
 - Pastern joint
 - Coffin joint
 - Stifle joint
34. The surgical puncture to remove fluid from the abdomen is known as
- Abdominocentesis
 - Abomasopexy
 - Anastomosis
 - Enterostomy
35. Below normal levels of oxygen in an animal is known as
- Infarct
 - Hypoxia
 - Hypocapnia
 - Thrombus

36. The heat cycle in a female is known as
- Estrus cycle
 - Estrous cycle
 - Lactogenic cycle
 - Follicular cycle
37. A greenstick fracture is also known as a/an _____
- Open fracture
 - Comminuted fracture
 - Spiral fracture
 - Incomplete fracture
38. The term that means towards the head is
- Medial
 - Rostral
 - Cranial
 - Caudal
39. _____ is a sudden involuntary contraction of some muscles caused by a brain disturbance.
- Seizure
 - Hydrocephalus
 - Hypnosis
 - Paralysis
40. Another term for ear wax is
- Choroid
 - Cerumen
 - Pinna
 - Cornus
41. The restraint method known as the tail jack is used in what species?
- Swine
 - Ovine
 - Canine
 - Bovine
42. Which fat soluble vitamin functions mainly in the blood clotting system:
- B3
 - B12
 - K
 - C

43. The blood collection tube that has EDTA in it as an anticoagulant preserves cell morphology has what color top?
- Red
 - Purple
 - Blue
 - Green
44. The common name for *Toxocara canis* is
- Whipworm
 - Tapeworm
 - Roundworm
 - Hookworm
45. PPE such as lead aprons, gloves, and thyroid shields are required when taking radiographs (aka x-rays) to protect the veterinary staff from
- Heel effect
 - Anode
 - Cathode
 - Scatter radiation
46. Which type of injection is used to desensitize the skin with a local anesthetic or perform allergy skin testing
- Intradermal
 - Subcutaneous
 - Transdermal
 - Intravenous
47. A Coggins test is commonly used to detect which of the following, in horses?
- Equine Herpesvirus
 - Strangles
 - Equine Infectious Anemia
 - Colic
48. A _____ is used to relieve severe bloat in cattle in emergency situations.
- Hip lifters
 - Trocar
 - Cray hook
 - Hemostats
49. How often should an anesthetic machine be inspected and maintained by a trained service professional, to ensure it is operating properly?
- At least once a year
 - At least every two years
 - At least every three years

d. Never. They are built to never need maintenance

50. Cats and dogs have a total of _____ incisors.

- a. 6
- b. 7
- c. 12
- d. 14