Cypress Creek FFA Invitational

**Veterinary Science Exam**

1. **\_\_\_\_\_\_\_\_ therapy is the attempt to sustain the life of a patient by helping the physiological functions of body systems.** 
   1. APhysical
   2. Nutritional
   3. Surgical
   4. Supportive
2. **What is the primary purpose of disinfectants?**
   1. Bleach surfaces
   2. Eliminate organic matter
   3. Rebuild pathogenic microorganisms
   4. Destroy pathogenic microorganisms on inanimate surfaces
3. **What special sense organs are most commonly affected by diseases in animals?**
   1. Nose and Ears
   2. Eyes and Nose
   3. Eyes and Ears
   4. Nose and Mouth
4. **What is the best age to vaccinate heifers against brucellosis?**
   1. Between 3 and 4 months of age
   2. Between 7 and 9 months of age
   3. Between 4 and 8 months of age
   4. Between 6 and 9 months of age
5. **T/F The surgical assistant should clean and sterilize all instruments, accessories, and supplies after surgery.**
   1. True
   2. False
6. **When was West Nile Encephalitis first detected in the United States?**
   1. 1999
   2. 2001
   3. 1997
   4. 2000
7. **What is the most common way for diagnosing the presence of roundworms in animals?**
   1. X- ray imaging
   2. Blood test
   3. Fecal Flotation
   4. Urine analysis
8. **Pseudorabies is highly contagious among-** 
   1. Sheep
   2. Horses
   3. Cattle
   4. Swine
9. **What is used to make incisions and for excision of tissues or organs?**
   1. Forceps
   2. Utility Scissors
   3. Hemostats
   4. Scalpels
10. **T/F The Surgical assistant arranges the surgical instrument table.**
    1. True
    2. False
11. **\_\_\_\_\_\_\_ is the accumulation of body fat exceeding the amount needed for optimal body function?**
    1. Obesity
    2. Malnutrition
    3. Hypervitaminosis
    4. Uremia
12. **Which of the following is a sign of colic in horses?**
    1. Intestinal motility
    2. Rolling and kicking
    3. Depressed animal
    4. Excessive eating
13. **Feeding animals meat will cause what type of deficiency?**
    1. Calcium
    2. Sodium
    3. Protein
    4. Vitamin A
14. **\_\_\_\_\_\_ is a spore- forming group of bacteria that inhabit the intestinal tract of animals.**
    1. Protozoa
    2. Clostridia
    3. Arthritis
    4. Rabies
15. **What type of scissors are used for separating and differentiating tissues, making them more precise than other operating scissors?**
    1. Bandage Scissors
    2. Utility Scissors
    3. Dissecting Scissors
    4. None of the above
16. **Surgical assistants should be no closer than how many feet from exposed sterile instruments and equipment?** 
    1. 3 feet
    2. 6 feet
    3. 2 feet
    4. 4 feet
17. **When using dietary management to combat chronic renal failure you want to feed diets that are…**
    1. High in protein and phosphorus, and lower in fat calories.
    2. Low in protein and phosphorus, and higher in fat calories
    3. Low in protein and phosphorus, and lower in fat calories
    4. High in protein and phosphorus, and higher in fat calories
18. **T/F Brown or black blood present in stool signifies bleeding is occurring in the lower GI.** 
    1. True
    2. False
19. **Which of the following is an example of a water- soluble vitamin?**
    1. Vitamin K
    2. Vitamin A
    3. Vitamin D
    4. Vitamin B
20. **What is required dress of anyone entering the surgery room during surgery?**
    1. Clean Clothes
    2. Shoes free of dust
    3. Shoes free of dirt
    4. All of the above
21. **\_\_\_\_\_ is a drain that is used to release the build-ups or gas from animals.**
    1. Trocar
    2. Catheters
    3. Cannula
    4. None of the above
22. **Which of the following is an example of a therapy an animal might receive?**
    1. Physical
    2. Surgical
    3. Nutritional
    4. All of the above
23. **What was the purpose of the “24-hour” law passed in 1873?**
    1. Prevents the transport of animals across state lines
    2. Required animals be transported for 24 hours straight
    3. Ensures that livestock in interstate shipment are unloaded, fed, and allowed to rest
    4. Promotes cruelty to animals during transport
24. **Which of the following can be classified as “fungal diseases that infect body systems of animals and humans”?**
    1. Otitis Externa
    2. Systemic Mycoses
    3. Clostridia Diseases
    4. Leptospirosis
25. **T/F Veterinary biological products are vaccines and antibodies produced by lab techniques using microorganisms.**
    1. True
    2. False
26. **What should the surgeon do prior to starting the hand-scrub procedure?**
    1. Wash the hands up to the elbow with water
    2. Apply antiseptic soap on the hands
    3. Use a sterile brush for scrubbing
    4. Put on a surgical mask, cap, and shoe covers
27. **\_\_\_\_\_\_\_\_\_\_\_\_ are surgical pincers used for grasping, compressing, cutting, and pulling tissues?**
    1. Clamping forceps
    2. Thumb Forceps
    3. Needle Holders
    4. Hemostats
28. **What is the primary mode for holding heartworms in dogs, cats, and ferrets?**
    1. Bites from infected mosquitos
    2. Direct contact with infected animals
    3. Inhalation of airborne larvae
    4. Consumption of contaminated water
29. **Which type of avian influenza is considered a foreign animal disease?**
    1. High- pathogenic avian influenza
    2. Low- pathogenic avian influenza
    3. Ultra- pathogenic avian influenza
    4. None of the above
30. **How can you increase the appeal of food when nursing sick animals back to health?**
    1. Warming the food to body temperature
    2. Adding water to the food
    3. offer small, frequent feedings of easily digestible foods.
    4. All of the above
31. **How is leptospirosis primarily transmitted?** 
    1. Inhalation of airborne spores
    2. Urine-contaminated food and haircoats
    3. Direct contact with infected animals
    4. Contact of contaminated food
32. **Which of the following is how animals become infected with hookworms?**
    1. By inhaling larvae in the air
    2. Through contaminated water
    3. Through direct skin contact with infected animals
    4. By swallowing larvae
33. **What helps form the bones of the skeleton and is also needed for propoer cell performance?**
    1. Calcium
    2. Phosphorous
    3. Potassium
    4. Manganese
34. **Total scrub time when stubbing in for surgery should take at least how long?**
    1. 5 minutes
    2. 6 minutes
    3. 10 minutes
    4. 8 minutes
35. **Which type of infectious agent is composed of tiny, single-celled organisms?**
    1. Bacteria
    2. Viruses
    3. Fungi
    4. Rickettsiae
36. **A surgical cut made into a tissue or organ is called** 
    1. An opening
    2. An incision
    3. A cut
    4. A wound
37. **Rabies inflames the:**
    1. Heart
    2. Lungs
    3. Brain
    4. Lymph nodes
38. **What phrase refers to the protocol and procedures employed during live animal production to prevent chemical and microbial contamination of raw foods of animal origin?**
    1. Preharvest food safety
    2. Postharvest food safety
    3. Food harvest inspection
    4. All of the above
39. **What type of forceps are used to control blood flow during surgery?**
    1. Thumb forceps
    2. Operating forceps
    3. Escraseur
    4. Clamping forceps
40. **Who is responsible for creating and enforcing standards for veterinary licensing in a state?**
    1. Veterinary students
    2. Animal owners
    3. State board of Veterinary Medical Examiners
    4. Federal Government
41. **\_\_\_\_\_ is a systemic bacterial disease of domestic and wild animals that is shed in the urine.**
    1. blastomycosis
    2. Leptospirosis
    3. Clostridial
    4. Candidosis
42. **Which of the following is an example of a non-volatile anesthetic**
    1. Propofol
    2. Ketamine
    3. Dexmedetomidine
    4. All of the above
43. **What contagious disease in cattle is often called “bang’s”?**
    1. Anthrax
    2. Brucellosis
    3. Tuberculosis
    4. Rabies
44. **What does the “practice of veterinary medicine” mean?**
    1. Receiving compensation for selling pet food
    2. Receiving compensation for grooming services
    3. Receiving compensation for the diagnosis and treatment of animals
    4. None of the above
45. **Which of the following are the signs of otitis externa in dogs and cats?**
    1. Tail chasing
    2. Excessive barking
    3. Coughing
    4. Scratching the ear with a foot or rubbing on carpet or grass
46. **What are catheters made out of?**
    1. Plastic or rubber
    2. Metal or plastic
    3. Metal or rubber
    4. Only metal
47. **Which of the following is NOT a symptom of Avian influenza?**
    1. Lack of energy or appetite
    2. Sudden death
    3. Loss of feathers
    4. Decreased egg production
48. **What indicates a patient is in stage 3 of anesthesia?** 
    1. Color of blood in the surgical site
    2. Opposition by the patient to flexing and extending the legs
    3. Respiration rate and depth and muscle tone
    4. Decrease and loss of reflexes
49. **Which type of infectious agent are very small non-cellular organisms that mainly consists of genetic material with no cellular structure?**
    1. Bacteria
    2. Viruses
    3. Fungi
    4. Rickettsiae
50. **Dermatitis is an inflammation of the** 
    1. Heart
    2. Lungs
    3. Skin
    4. Liver