**Vet Science A**

**MULTIPLE CHOICE**

 1. The function of the cecum is to:

|  |  |
| --- | --- |
| a. | Produce bile. |
| b. | Aide in the digestion of fibrous materials. |
| c. | Produce insulin. |
| d. | None of the above. |

ANS: B PTS: 1

 2. When treating or assisting a doctor with an animal’s abscess wound, it is important to:

|  |  |
| --- | --- |
| a. | Wear disposable gloves. |
| b. | Disinfect the treatment counter thoroughly. |
| c. | Wash and disinfect all instruments used. |
| d. | All of the above. |

ANS: D PTS: 1

 3. If you are bitten, scratched or cut when working around animals, you should:

|  |  |
| --- | --- |
| a. | Wash thoroughly with water and a disinfecting soap, then notify your supervisor. |
| b. | Quickly rinse out the area. |
| c. | Just wipe the blood off and bandage if needed. |
| d. | None of the above. |

ANS: A PTS: 1

 4. Rabies is transmitted through:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Blood from the affected animal | c. | Feces from the affected animal |
| b. | Urine from the affected animal | d. | Saliva from the affected animal |

ANS: D PTS: 1

 5. Lyme disease is caused by a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bacteria | c. | Parasite |
| b. | Virus | d. | Fungus |

ANS: A PTS: 1

 6. One of the fastest means of getting drugs in to the bloodstream is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Orally | c. | Topically |
| b. | Intranasally | d. | Intravenously |

ANS: D PTS: 1

 7. Nebulized is defined as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Turned into a liquid | c. | Turned into molecules |
| b. | Turned into a fine mist | d. | Turned into oxygen |

ANS: B PTS: 1

 8. The Snap Canine Heartworm Test tests the blood for:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Adult heartworms | c. | Microfilaria |
| b. | Antigen produced by female heartworms | d. | Female heartworms only |

ANS: B PTS: 1

 9. When in the heart, heartworms congregate in the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Right ventricle | c. | Left ventricle |
| b. | Right atrium | d. | Left atrium |

ANS: A PTS: 1

 10. The amount of fecal matter needed for a canine or feline fecal analysis is approximately:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The size of a baseball | c. | The size of a grapefruit |
| b. | The size of a golf ball | d. | The size of a grape |

ANS: D PTS: 1

 11. Which internal parasite is the most common in puppies and kittens?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Roundworm | c. | Whipworm |
| b. | Hookworm | d. | Giardia |

ANS: A PTS: 1

 12. The roundworm is often described as looking like:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rice | c. | Flakes |
| b. | Spaghetti | d. | Leech |

ANS: B PTS: 1

 13. Whipworm eggs look like a/an \_\_\_\_\_\_\_\_\_\_\_\_\_ under a microscope.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Circle | c. | Rectangle |
| b. | Oval | d. | Cone |

ANS: B PTS: 1

 14. What type of mite can cause a zoonotic disease?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Demodectic | c. | Sarcoptic |
| b. | Otodectes | d. | All of the above |

ANS: C PTS: 1

 15. What is the vector for heartworms?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tick | c. | Flea |
| b. | Lice | d. | Mosquito |

ANS: D PTS: 1

 16. What is the common percentage of Brahman and British breeds in American cattle?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 3/5, 2/5 cross | c. | 1/3, 2/3 cross |
| b. | 3/7, 4/7 cross | d. | 3/8, 5/8 cross |

ANS: D PTS: 1

 17. Which of the following breeds of dairy cattle produce the most milk?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Jersey | c. | Holstein |
| b. | Guernsey | d. | Brown Swiss |

ANS: C PTS: 1

 18. The breed of swine that is characterized by being solid black with a white belt at the shoulder and small erect ears is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Duroc | c. | Hereford |
| b. | Landrace | d. | Hampshire |

ANS: D PTS: 1

 19. The \_\_\_\_\_\_\_\_\_\_\_is white in color and has large drooping ears that cover most of its face.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Yorkshire | c. | American Landrace |
| b. | Chester White | d. | Hereford |

ANS: C PTS: 1

 20. Which breed of swine is characterized by being black in color with four white feet and/or legs, short wrinkled snout, and medium erect ears?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Duroc | c. | Hereford |
| b. | Berkshire | d. | Hampshire |

ANS: B PTS: 1

 21. The \_\_\_\_\_\_\_\_\_\_\_ is characterized by a red with white face (not less than 2/3 red, exclusive of face and ears), with at least 2 white feet, long face/snout, and small to medium drooping (or floppy) ears”

|  |  |  |  |
| --- | --- | --- | --- |
| a. | American Landrace | c. | Berkshire |
| b. | Hereford | d. | Duroc |

ANS: B PTS: 1

 22. An eight month old Chihuahua was stung by a wasp and had a fluctuation in its heart rate. What term describes its fluctuating heart rate?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Arrhythmia | c. | Bradycardia |
| b. | Auscultation | d. | Tachypnea |

ANS: A PTS: 1

 23. Which of the following answers best completes this statement?

Temperature, pulse and respiration rates tend to\_\_\_\_\_\_\_\_\_as size of the animal \_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | increase, decreases | c. | be shallow, decreases |
| b. | decrease, decreases | d. | decrease slowly, decreases rapidly |

ANS: A PTS: 1

 24. A vet diagnosed Bill’s lamb with dyspnea. What does this mean?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The lamb has normal breathing. | c. | The lamb has difficulty breathing. |
| b. | The lamb has abnormal heart sounds. | d. | The lamb has bluish discoloring of its skin. |

ANS: C PTS: 1

 25. Jane is taking a dog’s pulse. What is the name of the artery where she will do this?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Femoral artery | c. | Facial artery |
| b. | Brachiocephalic artery | d. | Carotid Artery |

ANS: A PTS: 1

 26. The average pulse (beats/min) and respiration (breaths/min) for a horse is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 40-60, 12-20 | c. | 30-60, 8-16 |
| b. | 60-70, 10-30 | d. | 60-90, 12-20 |

ANS: C PTS: 1

 27. The veterinarian is describing to Spike’s owner how he’ll be neutered. Neuter is defined as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Having resistance to a disease | c. | Proteins produced by lymph system |
| b. | The common term for removal of male reproductive organs | d. | Swelling and inflammation |

ANS: B PTS: 1

 28. The veterinarian is explaining to Sally’s owner how she will be spayed. Spay is defined as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Substance that induces an immune response | c. | The common term for removal of female reproductive organs |
| b. | Swelling and inflammation | d. | Allergic response |

ANS: C PTS: 1

 29. If an animal was suffering from anaphylactic shock. Anaphylactic shock is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | An exaggerated allergic response | c. | A decreased level of minerals in the blood stream |
| b. | An increased level of proteins produced by lymph system | d. | Caused by a slippery white film |

ANS: A PTS: 1

 30. An animal is being given a vaccine. Vaccine is defined as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A suspension of killed or modified microorganisms that stimulate an immune response when introduced into the body. | c. | More susceptible to disease |
| b. | Swelling and inflammation | d. | Having no resistance to disease |

ANS: A PTS: 1

 31. An animal is vaccinated for rabies. Rabies is caused by:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A rhabdovirus | c. | Bacteria |
| b. | A parvovirus | d. | Fungus |

ANS: A PTS: 1

 32. Lauren is bandaging Bruce, a four year old horse. Leg bandages on horses are started on the \_\_\_\_\_\_\_\_part of the leg and wrapped toward the back.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Vertical | c. | Lateral |
| b. | Horizontal | d. | Proximal |

ANS: D PTS: 1

 33. The bellyband should\_\_\_\_\_\_\_\_slightly as it is wrapped.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Overlap | c. | Cut off circulation |
| b. | Space out | d. | Never touch |

ANS: A PTS: 1

 34. Immunity is defined as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Having resistance to a disease due to the formation of antibodies. | c. | A rhabdovirus |
| b. | A slow and painful abscess | d. | Not being able to tolerate disease |

ANS: A PTS: 1

 35. A kitten is suffering from FCV. Feline calicivirus is caused by:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | RNA virus | c. | Bacteria |
| b. | Fungus | d. | Does not exist |

ANS: A PTS: 1

 36. Feline viral rhinotracheitis symptoms include:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Sneezing, discharge from nose and eyes | c. | Aggression |
| b. | Anorexia | d. | Licking of wound |

ANS: A PTS: 1

 37. Leptospirosis is caused by:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Leptospira bacteria | c. | Borrelia burgdorferi bacteria |
| b. | DNA virus | d. | None of the above |

ANS: A PTS: 1

 38. Symptoms of distemper include:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Lameness | c. | Aggression |
| b. | Swollen joints | d. | Fever, vomiting, diarrhea, nasal secretions, and seizures |

ANS: D PTS: 1

 39. Frank, a 60lb bulldog, needs to get 60 mg of Prednisone once every other day for 10 days. How many total milligrams of Prednisone does Frank need for 10 days?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 450 mg | c. | 900 mg |
| b. | 300 mg | d. | 100 mg |

ANS: B PTS: 1

 40. In preparation for her CVA test, Mary is studying systems of the body. Which of these is NOT included in the circulatory system?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Heart | c. | Blood Vessels |
| b. | Lymphatics | d. | Blood |

ANS: B PTS: 1

 41. If an animal has problems in the right side of the heart, what other problem will likely occur?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ascites | c. | Nerve Degeneration |
| b. | Lung congestion | d. | Osteoporosis |

ANS: A PTS: 1

 42. Luke, a border collie, has a problem in the left side of the heart. What other problem will likely occur?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ascites | c. | Nerve Degeneration |
| b. | Lung congestion | d. | Osteoporosis |

ANS: B PTS: 1

 43. Which of these is the correct order of blood flow through the heart?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Right Atrium, Right Ventricle, Pulmonary Arteries, Lungs, Pulmonary Veins, Left Atrium, Left Ventricle, Aorta | c. | Right Atrium, Right Ventricle, Pulmonary Veins, Lungs, Pulmonary Arteries, Left Atrium, Left Ventricle, Aorta |
| b. | Left Atrium, Left Ventricle, Pulmonary Arteries, Lungs, Pulmonary Veins, Right Atrium, Right Ventricle, Aorta | d. | Left Atrium, Left Ventricle, Pulmonary Veins, Lungs, Pulmonary Arteries, Right Atrium, Right Ventricle, Aorta |

ANS: A PTS: 1

 44. Which of these is NOT part of the process of filtration of the blood through the urinary system?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nephrons | c. | Vena Cava |
| b. | Medulla | d. | Kidney |

ANS: C PTS: 1

 45. While Linda was running a laboratory test, she evaluated total plasma protein, and noticed an elevated total plasma protein. This is a sign of:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | inflammation | c. | dehydration |
| b. | infection | d. | all of the above |

ANS: D PTS: 1

 46. In most species, what are the kidneys shaped like?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pears | c. | Clovers |
| b. | Circles | d. | Beans |

ANS: D PTS: 1

 47. Sammy is trying to run a urinalysis. He first has to obtain urine from the dog. How can he obtain urine from an animal?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Free Catch | c. | Catheterization |
| b. | Cystocentesis | d. | All of the above |

ANS: D PTS: 1

 48. Sammy is trying to determine the specific gravity of urine. What tools can be used to accomplish this?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Refractometer | c. | Reagent Strips |
| b. | Urinometer | d. | All of the above |

ANS: D PTS: 1

 49. Sammy found a decreased specific gravity in the urine. This could indicate all of the following EXCEPT:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | increased water intake | c. | chronic renal disease |
| b. | shock | d. | other diseases |

ANS: B PTS: 1

 50. If Sammy had noticed an increased specific gravity, it could indicate all of the following EXCEPT:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | chronic renal disease | c. | decreased water intake |
| b. | dehydration | d. | acute renal disease |

ANS: A PTS: 1

 51. Which of these cells would Sammy NOT expect to see in an examination of urine sediment?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Red blood cells | c. | White blood cells |
| b. | Viral cells | d. | Epithelial cells |

ANS: B PTS: 1

 52. Which of these is the scientific name for hookworm in dogs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ancylostoma caninum | c. | Toxocara canis |
| b. | Dipylidium caninum | d. | None of the above |

ANS: A PTS: 1

 53. James accidentally spilled bleach. In order to know the correct clean up procedure to take, he must check the MSDS. The acronym MSDS stands for:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Material Safety from Disease Sheet | c. | Mechanical Safety Destruction Sheets |
| b. | Material Safety Data Sheet | d. | Mechanical Safety Data Sheet |

ANS: B PTS: 1

 54. A member of OSHA is doing a walkthrough of a veterinary clinic. The Occupational Safety and Health Administration is housed in:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The Department of Health | c. | The Department of Security |
| b. | The Department of Finance | d. | The Department of Labor |

ANS: D PTS: 1

 55. Adam has just assisted in restraining a Lhasa Apso for an intramuscular (IM) injection. The RVT that gave the injection must now dispose of the needle and syringe. Where must all needles and syringes be disposed of?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A bottle | c. | A trashcan |
| b. | A dumpster | d. | A sharps container |

ANS: D PTS: 1

 56. When dealing with radioactive equipment, you should always wear:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | lead gloves | c. | a dosimeter |
| b. | lead apron | d. | all of the above |

ANS: D PTS: 1

 57. If working in a veterinary clinic, you understand that the guidelines set forth by the Occupational Safety and Health Administration are based on the principle of:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The Right to Know | c. | The Determination of Knowledge |
| b. | The Basis of Knowledge | d. | The Right of the Knowledge of the Law |

ANS: A PTS: 1

 58. Which of these is NOT a disease-causing agent for zoonotic diseases?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fungi | c. | Viruses |
| b. | Biologics | d. | Parasites |

ANS: B PTS: 1

 59. Ben may have been exposed to a bacterial zoonotic disease. Which of the following is NOT a zoonotic disease caused by bacteria?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Toxoplasmosis | c. | Anthrax |
| b. | Leptospirosis | d. | Tuberculosis |

ANS: A PTS: 1

 60. Which drug schedule has no current accepted medical use?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Schedule I | c. | Schedule III |
| b. | Schedule II | d. | Schedule IV |

ANS: A PTS: 1

 61. Cole has been asked to clean the front waiting area of the clinic. With regard to the types of sanitation, which of these best describes “cleaning”?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Physically removing all visible signs of dirt and organic matter such as feces, hair, etc. | c. | Destroying all microorganisms and viruses on an object using chemicals and/or heat. |
| b. | Destroying most microorganisms on nonliving things by physical or chemical means. | d. | Solutions that destroy microorganisms or inhibit their growth on living tissue. |

ANS: A PTS: 1

 62. When sanitizing, which of the following is an example of filtration?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Using a chemical with a mop or sponge. | c. | Incinerating an object or exposing them to a flame. |
| b. | Soaking items in a chemical disinfectant until they are used. | d. | Removing particles from the air using a physical barrier. |

ANS: D PTS: 1

 63. Dana has been asked to dispense a schedule drug as a pain killer for an animal that has had a hip replacement. According to the Controlled Substance Act, she must:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | understand the schedules that drugs are placed in and why. | c. | ensure that the name and amount of drug used is recorded in the daily log. |
| b. | have an authorized person unlock the locked cabinet where the drugs are stored. | d. | All of the above. |

ANS: D PTS: 1

 64. Sugar, a small dog, has come into a veterinary clinic with sarcoptic mange. To prevent the spread of this and other zoonotic diseases, you need to:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dispose of waste in a proper manner | c. | wash hands often |
| b. | isolate infected animals | d. | all of the above |

ANS: D PTS: 1

 65. Fran is doing research on pathogens. A pathogen is/are:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A microorganism that produces disease. | c. | Precautions taken to prevent contamination of a surgical wound. |
| b. | Disease that can be transmitted between animals and humans. | d. | Refers to the back. |

ANS: A PTS: 1

 66. A veterinarian has diagnosed an animal with typhus, which is a zoonotic disease. Zoonotic means:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Disease that can be transmitted between animals and humans. | c. | Refers to the back. |
| b. | Precautions taken to prevent contamination of a surgical wound. | d. | A device that measures the level of radiation someone is exposed to when performing radiology. |

ANS: A PTS: 1

 67. Proper personal protective equipment (PPE) sometimes includes a dosimeter. This is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A device that measures the amount of radiation someone is exposed to when performing radiology. | c. | A device that keeps animals from biting you. |
| b. | Lead gloves | d. | Something that covers your face while working with animals. |

ANS: A PTS: 1

 68. An animal has a superficial wound. Superficial means:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Near the surface, also called external. | c. | A wound that is on the extremities of an animal |
| b. | A deep laceration | d. | On an organ. |

ANS: A PTS: 1

 69. Most surgical instruments are manufactured from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Aluminum | c. | Lead |
| b. | Copper | d. | Stainless steel |

ANS: D PTS: 1

 70. The operating room should be cleaned \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Daily | c. | Bi-weekly |
| b. | Weekly | d. | Monthly |

ANS: A PTS: 1

 71. Which of the following would be considered a brachycephalic breed?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Labrador Retriever | c. | Shih Tzu |
| b. | Dachshund | d. | Border Collie |

ANS: C PTS: 1

 72. When a patient is having a ventral midline ovariohysterectomy performed, the patient is placed in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ recumbency.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Lateral | c. | Ventral |
| b. | Dorsal | d. | Sternal |

ANS: B PTS: 1

 73. After autoclaving a surgical pack, you notice that the autoclave tape looks the same as it did when you placed it in the autoclave. What should you do now?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Place the pack with the others – there is no reason to be concerned about the sterility of the instruments. | c. | Just hide the pack so you do not get in trouble for it not being sterilized. |
| b. | Open the pack to check the instruments for sterility. If they look clean, they can be used. | d. | Place the pack to the side and do not allow it to be used because the sterility of the pack is questionable. |

ANS: D PTS: 1

 74. A person who cares for equine feet including trimming and shoeing is called a/an:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | equestrian | c. | hobble |
| b. | farrier | d. | quittor |

ANS: B PTS: 1

 75. The amount of food provided to livestock in a 24-hour period is its:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | graze | c. | roughage |
| b. | ration | d. | silage |

ANS: B PTS: 1

 76. Examination by tapping the surface to determine density of a body area is called

|  |  |  |  |
| --- | --- | --- | --- |
| a. | palpation | c. | percussion |
| b. | auscultation | d. | tapping |

ANS: C PTS: 1

 77. The percentage of RBCs in blood is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | hematocrit | c. | crit |
| b. | PCV | d. | all of the above |

ANS: D PTS: 1

 78. A machine that spins samples very rapidly to separate elements based on weight is a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | counter | c. | refractometer |
| b. | centrifuge | d. | cannula |

ANS: B PTS: 1

 79. A set of signs that occur together is called a/an:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sign | c. | endemic |
| b. | symptom | d. | syndrome |

ANS: D PTS: 1

 80. The study of disease causes is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | etiology | c. | biology |
| b. | toxicology | d. | pathology |

ANS: A PTS: 1

 81. You are doing maintenance on the anesthesia machine. You happen to notice that the granules in the canister are starting to turn purple. What does this usually indicate?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The granules are more than 90 days old. | c. | The granules should be turned over in the canister – they will regain |
| b. | The granules have lost the ability to absorb anesthetic gases. | d. | The granules have lost the ability to absorb carbon dioxide. |

ANS: D PTS: 1

 82. A normal capillary refill time (CRT) is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 5+ seconds | c. | 3-4 seconds |
| b. | 4-5 seconds | d. | 1-2 seconds |

ANS: D PTS: 1

 83. Six 12 ounce puppies need deworming medication. If the dose is 1mL/lb., how many total mL do you need in order to deworm all of the puppies?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 4.5 mL | c. | 6.9 mL |
| b. | 5.7 mL | d. | 7.8 mL |

ANS: A PTS: 1

 84. The veterinarian requests 600 cc of a solution. The instrument used to measure only has marks for mls. You know the correct equivalent of 600 cc in mls because:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A cc and mL are equivalent. | c. | A mL is twice the amount of a cc |
| b. | A cc is twice the amount of a mL | d. | A mL is half the amount of a cc |

ANS: A PTS: 1

 85. ¼ of a L is equivalent to:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 250 ml | c. | 750 ml |
| b. | 500 ml | d. | 1000 ml |

ANS: A PTS: 1

 86. What are the two factors that determine or influence an animal’s disposition?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | genetic make-up and environmental situation | c. | nutrition and housing |
| b. | environmental situation and nutrition | d. | housing and genetic make-up |

ANS: A PTS: 1

 87. If you had a horse that had a temperature of 102.4°F, would you be concerned?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | No, it is completely normal. | c. | No, it is a little below normal. |
| b. | Yes, it is above normal. | d. | Yes, it is extremely below normal. |

ANS: B PTS: 1

 88. Your chicken has a heart rate of 275 beats per minute. Is that something to be worried about?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Yes, that is above normal. | c. | No, that is normal. |
| b. | Yes, that is below normal. | d. | No, that is below normal. |

ANS: C PTS: 1

 89. Which of the following hormones is the primary hormone produced by the testes?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Estrogen | c. | Progesterone |
| b. | Testosterone | d. | Oxytocin |

ANS: B PTS: 1

 90. Which of the following is not a primary action of testosterone?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Anabolic growth | c. | Promotes secretions from accessory glands |
| b. | Promotes spermatogenesis | d. | None of these |

ANS: D PTS: 1

 91. What are the anatomical differences between the oviducts of most mammals and the oviducts of poultry?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mammals have one oviduct. | c. | Poultry do not have oviducts. |
| b. | Mammals do not have oviducts. | d. | Poultry have one oviduct. |

ANS: D PTS: 1

 92. What is the main difference between the testes of mammals and the testes of poultry?

|  |  |
| --- | --- |
| a. | Mammals have one testicle. |
| b. | The testes of poultry do not descend out of the abdominal cavity. |
| c. | Poultry have one testicle. |
| d. | The testes of mammals do not descend out of the abdominal cavity. |

ANS: B PTS: 1

 93. What is the purpose of the infundibulum?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | To transport the egg from the ovary to the oviduct. | c. | To contract during labor. |
| b. | To expel the fetus. | d. | To give nourishment to the fetus. |

ANS: A PTS: 1

 94. Which of the following hormones are the primary hormones produced by the ovaries?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Estrogen and testosterone. | c. | Testosterone and progesterone. |
| b. | Testosterone and oxytocin. | d. | Estrogen and progesterone. |

ANS: D PTS: 1

 95. What are the primary functions of the hormones that the ovaries produce?

|  |  |
| --- | --- |
| a. | Sexual behavior and maintenance of pregnancy. |
| b. | To give a deeper voice and more defined muscles. |
| c. | To maintain weight and pregnancy. |
| d. | To give secondary male characteristics and maintain weight gain. |

ANS: A PTS: 1

 96. Which of the following is NOT a function of the uterus?

|  |  |
| --- | --- |
| a. | Provides nourishment for the fetus. |
| b. | Is the receptacle for the penis during copulation. |
| c. | Contracts to expel the fetus during parturition. |
| d. | Incubates the fetus during pregnancy. |

ANS: B PTS: 1

 97. Which of the following is NOT a function of the epididymis?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Site of maturation for sperm. | c. | Site of decomposition for sperm. |
| b. | Site of transportation for sperm. | d. | Site of storage for sperm. |

ANS: C PTS: 1

 98. What is a cryptorchid?

|  |  |
| --- | --- |
| a. | Sterile female calf born twin to a male calf. |
| b. | Condition in which one or both testicles remain in the body cavity. |
| c. | Process by which sperm are produced by the male. |
| d. | Causes destruction of the cotyledons of the uterus. |

ANS: B PTS: 1

 99. What is a freemartin?

|  |  |
| --- | --- |
| a. | Sterile female calf born twin to a male calf. |
| b. | Process by which ova are produced by the female. |
| c. | Respiratory viral disease that causes infertility. |
| d. | Condition in which one or both testicles remain the body cavity. |

ANS: A PTS: 1

 100. What does “Bang’s” disease cause?

|  |  |
| --- | --- |
| a. | Abortions typically in the second half of pregnancy. |
| b. | A sterile female calf born twin to a male calf. |
| c. | A decrease in the production of sperm in the male. |
| d. | Respiratory viral disease that causes infertility. |

ANS: A PTS: 1

 101. What does IBR stand for?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Infectious Born Respiration | c. | Infectious Bovine Rhinotracheitis |
| b. | Indefinitely Bad Respiration | d. | Infectious Bovine Respiration |

ANS: C PTS: 1

 102. What is IBR?

|  |  |
| --- | --- |
| a. | Sterile female calf born twin to a male calf. |
| b. | Condition in which one or both testicles remain in the body cavity. |
| c. | Causes destruction of the cotyledons of the uterus. |
| d. | Viral disease of the respiratory tract that can cause abortion. |

ANS: D PTS: 1

 103. What is oogenesis?

|  |  |
| --- | --- |
| a. | Process by which sperm are produced by the male |
| b. | Condition in which one or both testicles remain in the body cavity. |
| c. | Process by which ova are produced by the female. |
| d. | Causes destruction of the cotyledons of the uterus. |

ANS: C PTS: 1

 104. What is spermatogenesis?

|  |  |
| --- | --- |
| a. | Process by which sperm are produced by the male. |
| b. | Condition in which one or both testicles remain in the body cavity. |
| c. | Process by which ova are produced by the female. |
| d. | Causes destruction of the cotyledons of the uterus. |

ANS: A PTS: 1

 105. The term that means of, or relating to dogs:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Feline | c. | Canine |
| b. | Bovine | d. | Galline |

ANS: C PTS: 1

 106. The term that means of, or relating to cats:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Feline | c. | Canine |
| b. | Bovine | d. | Galline |

ANS: A PTS: 1

 107. The term that means of, or relating to cattle:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Feline | c. | Canine |
| b. | Bovine | d. | Galline |

ANS: B PTS: 1

 108. The term that means of, or relating to horses:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Equine | c. | Bovine |
| b. | Galline | d. | Ovine |

ANS: A PTS: 1

 109. The term that means of, or relating to swine:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Equine | c. | Galline |
| b. | Canine | d. | Porcine |

ANS: D PTS: 1

 110. The term that means of, or relating to sheep:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Equine | c. | Bovine |
| b. | Galline | d. | Ovine |

ANS: D PTS: 1

 111. The term that means of, or relating to poultry:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Equine | c. | Porcine |
| b. | Feline | d. | Galline |

ANS: D PTS: 1

 112. A sexually mature male of the bovine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Heifer | c. | Cow |
| b. | Steer | d. | Bull |

ANS: D PTS: 1

 113. A female that has produced a calf is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Heifer | c. | Cow |
| b. | Steer | d. | Bull |

ANS: C PTS: 1

 114. A female that has not produced a calf is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Heifer | c. | Cow |
| b. | Steer | d. | Bull |

ANS: A PTS: 1

 115. A sexually mature male of the equine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Colt | c. | Stud |
| b. | Foal | d. | Mare |

ANS: C PTS: 1

 116. A female of the equine species that is four years of age or older is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Colt | c. | Stud |
| b. | Foal | d. | Mare |

ANS: D PTS: 1

 117. An immature male of the equine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Colt | c. | Stallion |
| b. | Foal | d. | Mare |

ANS: A PTS: 1

 118. The act of giving birth in horses is called:.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Farrowing | c. | Whelping |
| b. | Foaling | d. | Laying |

ANS: B PTS: 1

 119. A mature female of the porcine species that has produced young is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hen | c. | Gilt |
| b. | Sow | d. | Ewe |

ANS: B PTS: 1

 120. An immature female of the porcine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hen | c. | Gilt |
| b. | Sow | d. | Ewe |

ANS: C PTS: 1

 121. A mature female of the galline species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hen | c. | Gilt |
| b. | Sow | d. | Ewe |

ANS: A PTS: 1

 122. A newborn chicken is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Chick | c. | Cockerel |
| b. | Pullet | d. | Broiler |

ANS: A PTS: 1

 123. A sexually mature male of the ovine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rooster | c. | Barrow |
| b. | Bull | d. | Ram |

ANS: D PTS: 1

 124. A sexually mature female of the ovine species is called a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ewe | c. | Hen |
| b. | Gilt | d. | Filly |

ANS: A PTS: 1

 125. Cat litter pans and gardening are the most common sources for which protozoan?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Toxoplasma | c. | Coccidia |
| b. | Giardia | d. | Ancyloplasma |

ANS: A PTS: 1

 126. Formalin is most commonly used for

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Disinfecting | c. | Copy machine toner |
| b. | Flea prevention | d. | Tissue biopsy |

ANS: D PTS: 1

 127. For safety, two people are required to lift anything weighing more than\_\_\_\_\_lb.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 10 | c. | 30 |
| b. | 20 | d. | 40 |

ANS: D PTS: 1

 128. Which of the following is a zoonotic disease?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ringworm | c. | Both A and B |
| b. | Cat Scratch Fever | d. | None of the above |

ANS: C PTS: 1

 129. The five types of white blood cells are:

|  |  |
| --- | --- |
| a. | Eosinophil, basophil, neutrophil, lymphocyte, monocyte |
| b. | Thrombocyte, monocyte, neutrophil, lymphocyte, eosinophil |
| c. | Neutrophil, erythrophil, leukocyte, basophil, eosinophil |
| d. | Neutrophil, basophil, eosinophil, granulocytes, acanthocyte |

ANS: A PTS: 1

 130. What parasite transmits Lyme disease?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dirofilaria immitis | c. | Lice |
| b. | Heartworm | d. | Tick |

ANS: D PTS: 1

 131. To remove a tick you should:

|  |  |
| --- | --- |
| a. | Use a match to burn the tick off |
| b. | Cut the tick off with a knife |
| c. | Pour alcohol on the tick, then pull it off |
| d. | Use tweezers to grasp the head and pull straight out |

ANS: D PTS: 1

 132. One disease that is transmitted by the tick is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rocky Mountain Spotted Fever | c. | Salmonella |
| b. | Toxoplasmosis | d. | Ringworm |

ANS: A PTS: 1

 133. A veterinarian in a critical care unit determines that one calf was given the following intravenous (IV) solutions in a 24 hour period: 745 milliliters (mL) of 0.9% normal saline, 420 mL of lactated ringers, 1,250 mL of 5% dextrose, and 15 mL of an antibiotic solution. How many total milliliters of IV solution did the patient receive?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1430 mL | c. | 3430 mL |
| b. | 2430 mL | d. | 4430 mL |

ANS: B PTS: 1

 134. A veterinary technician notes that a dog’s leukocyte (white blood cell) count before surgery was 18,645. Two days after the surgery, the patient had a leukocyte count of 8,968. What is the difference in the leukocyte counts?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 6977 | c. | 1845 |
| b. | 9677 | d. | 9577 |

ANS: B PTS: 1

 135. A veterinary technician is calculating the bill for hospital care for a kidney transplant cat. The bill for medical services and care was $2,685. The owners paid $1,389 when they picked up the cat. A few weeks later they paid another $497. How much do they still owe?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 799  | c. | 999  |
| b. | 899  | d. | 1500 |

ANS: A PTS: 1

 136. A cow weighed 1,743 pounds prior to calving. The calf weighed 97 pounds and the placenta and amniotic fluid weighed 189 pounds. How much did the cow weigh after calving?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1557 pounds | c. | 1357 pounds |
| b. | 1457 pounds | d. | 1257 pounds |

ANS: B PTS: 1

 137. A steer weighed 1,145 pounds before harvest. One half of the carcass with fore quarters weighed 393 pounds and one half of the carcass with rear quarters weighed 341 pounds. How much of the steer could not be consumed?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 408 pounds | c. | 410 pounds |
| b. | 409 pounds | d. | 411 pounds |

ANS: D PTS: 1

 138. A technician is using a microscope to examine a specimen. If the eyepiece on the microscope has a power of 15x (x means times; a power of 15x magnifies an object 15 times) and the objective has a power of 100x, what is the total number of times she is magnifying the specimen? Hint: to find total magnification on a microscope, multiply the power of the eyepiece times the power of the objective.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1500x  | c. | 2500x  |
| b. | 2000x  | d. | 3000x |

ANS: A PTS: 1

 139. An animal shelter worker is preparing formula for orphaned puppies. There are 9 puppies and each needs 2 ounces of formula. How many ounces of formula must be prepared?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 16 oz | c. | 20 oz |
| b. | 18 oz | d. | 22 oz |

ANS: B PTS: 1

 140. The lab receives a prescription order from the veterinarian. He wants the patient to take 40 milligrams (mg) of amoxicillin four times a day for 25 days. The lab has 20 mg amoxicillin tablets. How many tablets should the vet tech give to the client for the 25-day period?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 150 tablets | c. | 250 tablets |
| b. | 200 tablets | d. | 300 tablets |

ANS: B PTS: 1

 141. A microbiologist is staining bacterial slides. He uses a bottle of Gram stain that contains 144 milliliters (mL) of solution. If each slide requires 18 mL of the solution, how many slides can he stain with one bottle of solution?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 slides | c. | 6 slides |
| b. | 4 slides | d. | 8 slides |

ANS: D PTS: 1

 142. A zookeeper gives a pot-bellied pig 1200 milligrams (mg) of Streptomycin in a 24-hour period. How many mg does he give the pig per dose if he gives the medication every 6 hours (q6h)?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 100 mg | c. | 300 mg |
| b. | 200 mg | d. | 400 mg |

ANS: C PTS: 1

 143. A veterinarian takes blood samples from cows for brucellosis testing. One morning he fills 16 vacutainers (vacuum tubes) with 10 cubic centimeters (cc) of blood, 31 with 9.5 cc of blood, 28 with 7 cc of blood, and 15 with 8.5 cc of blood. How many cc of blood did he obtain from all the cows?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 778 cc | c. | 782 cc |
| b. | 780 cc | d. | 784 cc |

ANS: A PTS: 1

 144. A veterinary technician is counting leukocytes (white blood cells). She counts four areas on the hemocytometer counting chamber, adds the four numbers together and then multiplies by 50 to obtain the correct leukocyte count. If the counts are 23, 27, 28 and 34 what is the correct leukocyte count?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 5600 leukocytes | c. | 5800 leukocytes |
| b. | 5700 leukocytes | d. | 5900 leukocytes |

ANS: A PTS: 1

 145. An animal health technician is stocking a cabinet with flea control products. He stocks three cases of spray containing 24 cans per case, 13 cases of shampoo with 12 bottles per case, 5 boxes of foam with 10 cans per case, and 6 cases of powder with 8 boxes per case. Three days later he calculates that 35 cans of spray, 18 bottles of shampoo, 5 cans of foam and 21 bottles of powder have been sold. How many total items of flea killing preparations are left in the cabinet?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 245 preparations | c. | 249 preparations |
| b. | 247 preparations | d. | 251 preparations |

ANS: B PTS: 1

 146. A vet tech gives a dog ½ ounces (oz) of cough medicine at 6 PM and ¼ oz of cough medicine at 10 PM. What is the total amount of cough medicine received?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | ¼ oz | c. | ¾ oz |
| b. | ½ oz | d. | 1 oz |

ANS: C PTS: 1

 147. A vet tech uses ½ oz, ¾ oz, and 5/8 oz of solution to perform three urinary analysis tests. How much total solution does she use?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1 oz | c. | 1 ¾ oz |
| b. | 1 ½ oz | d. | 1 7/8 oz |

ANS: D PTS: 1

 148. A vet tech is in charge of the construction of a new X-ray development unit. She knows that to prevent radiation the walls must be at least 2 5/8 inches (") thick if gypsum sheet rock is used or 1/16" thick if sheets of lead are embedded in the wall to prevent the passage of radiation. What is the difference of thickness in the two walls?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 ½ inches | c. | 2 ¾ inches |
| b. | 2 9/16 inches | d. | 3 inches |

ANS: B PTS: 1

 149. A microbiologist notes that the average length of a bacterium is 1/1000 micrometer (mcm). Viruses range in size from 1/2500 to 1500mcm. How much longer is a bacterium than the smallest virus in mcm?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 3/5000 mcm  | c. | 3/500 mcm |
| b. | 4/5000 mcm | d. | 7/5000 mcm |

ANS: A PTS: 1

 150. A veterinary pharmaceutical company technician uses a 480-milliliter (mL) flask of rabies vaccine solution to fill individual vials. If each vial holds 1/30 of the volume of the flask, how many mL of vaccine are in each vial?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 12 mL | c. | 16 mL |
| b. | 14 mL | d. | 18 mL |

ANS: C PTS: 1

 151. An animal that is comfortable with a halter on its head and that responds to the commands of the person who is leading it is said to be

|  |  |  |  |
| --- | --- | --- | --- |
| a. | halter responsive | c. | halter broken |
| b. | show ready | d. | domesticated |

ANS: C PTS: 1

 152. Identification tags are usually placed in the \_\_\_\_\_\_of cattle.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | teeth | c. | hooves |
| b. | nostrils | d. | ears |

ANS: D PTS: 1

 153. Giving birth in sheep is known as:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | farrowing | c. | lambing |
| b. | ramming | d. | kidding |

ANS: C PTS: 1

 154. What is drenching?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | giving a liquid medication orally | c. | hosing down a production facility |
| b. | milking a dairy goat too often | d. | washing a sheep thoroughly |

ANS: A PTS: 1

 155. Both sheep and goats have \_\_\_\_ hooves.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | cloven | c. | split |
| b. | two toe-nails | d. | all of the above |

ANS: A PTS: 1

 156. Poultry rely on a\_\_\_\_\_\_\_\_\_, a strong muscular organ that may contain grit, to grind their food.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | gaggle | c. | gosling |
| b. | gizzard | d. | gander |

ANS: B PTS: 1

 157. In vivo vaccination involves injecting the vaccine into the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | newborn chick | c. | pullet |
| b. | hen’s uterus | d. | embryo in the egg |

ANS: D PTS: 1

 158. Which of the following is NOT a method of disposing of dead birds in a poultry production facility?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | incineration | c. | recycling |
| b. | burying | d. | composting |

ANS: C PTS: 1

 159. Which of the following animals is NOT a cecal fermenter?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Horse | c. | Pig |
| b. | Guinea Pig | d. | Rabbit |

ANS: C PTS: 1

 160. Which of the following is NOT one of the nutrients that should be included in pet food?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Proteins | c. | Fats |
| b. | Oils | d. | Water |

ANS: B PTS: 1

 161. Which of the following is the first of the five steps of the digestive process?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mechanical | c. | Peristalsis |
| b. | Chemical | d. | Absorption |

ANS: A PTS: 1

 162. Which of the following is NOT a warning sign that your dog or cat may be inclined to bite?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Assuming submissive posture | c. | Ears held back, tail wagging quickly |
| b. | Crouching with tail between legs | d. | Snarling, with fur on the back raised |

ANS: C PTS: 1

 163. What is prevention for anal sac swelling?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | let your dog scoot | c. | use an enema on a weekly basis |
| b. | have veterinarian check anal glands | d. | let your dog lick their anal glands |

ANS: B PTS: 1

 164. With your veterinarian’s permission, what medication can you give your dog if they have an allergic reaction?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pepto-Bismol | c. | Benadryl |
| b. | Advil | d. | Frontline |

ANS: C PTS: 1

 165. Lyme Disease is a disease caused by a spiral-shaped bacterium, Borrelia burgdorferi. Which of the following can become infected?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dogs & cats | c. | Birds & wild animals |
| b. | Horses & cattle | d. | All the above |

ANS: D PTS: 1

 166. In the last few hours I have noticed that my dog has been drooling excessively, especially since she never really drools. What could cause this?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | oral ingestion of insecticides | c. | anxiety & nausea |
| b. | dental disease | d. | All the above |

ANS: D PTS: 1

 167. A dog that licks his feet, rubs his face, or scratches behind his elbows may be showing signs of:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Allergy | c. | Hunger |
| b. | Fatigue | d. | Boredom |

ANS: A PTS: 1

 168. How long is a dog in estrus?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | between 4 – 21 days with a mean of 9 days. | c. | between 7 – 28 days with a mean of 11 days. |
| b. | exactly 6 days. | d. | exactly 15 days |

ANS: A PTS: 1

 169. Rascal, a 2 year old dog has a foul odor. What could be the cause?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Any brownish material in his ears. He may have an ear infection. | c. | His skin is dry and has bumps. |
| b. | He has tartar on his teeth or very red gums. His teeth need attention. | d. | All the above |

ANS: D PTS: 1

 170. Chipped bones, bowed tendons and other soft tissue injuries can cause what condition in horses?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | broken bones | c. | even gaits |
| b. | lameness | d. | all the above\ |

ANS: B PTS: 1

 171. How long, on average, will a mature horse’s hoof grow in a month?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | .25 -.38 inches | c. | .38-.5 inches |
| b. | .15-.25 inches | d. | none of the above |

ANS: A PTS: 1

 172. Which breeds of dogs are less likely to cause human allergies?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Spaniels | c. | Schnauzers |
| b. | Chows | d. | Heelers |

ANS: C PTS: 1

 173. In horses, the process whereby a fixed object is grabbed with the incisor teeth and air is drawn in repetitively through the mouth, is called what?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | boredom | c. | cribbing |
| b. | mineral deficiency | d. | all the above |

ANS: C PTS: 1

 174. This term refers to a collection of pus (dead white blood cells) that has accumulated in a cavity formed by the tissue due to an infection or other foreign material.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Antigen | c. | Abscess |
| b. | Bruise | d. | Slab |

ANS: C PTS: 1

 175. A bacteria or virus that causes clinical disease is termed a:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Founder | c. | Pathogen |
| b. | Strangles | d. | Antigen |

ANS: C PTS: 1

 176. The soft “v” shaped tissue in the center of the bottom of the horses hoof

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Sole | c. | Wall |
| b. | White line | d. | Frog |

ANS: D PTS: 1

 177. Cessation of breathing is called:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Apnea | c. | Dyspnea |
| b. | Tachypnea | d. | Detomidine |

ANS: A PTS: 1

 178. The study of disease causes is called:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pathology | c. | Anatomy |
| b. | Etiology | d. | Caudal |

ANS: B PTS: 1

 179. The only medical term for lying down is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Recumbent | c. | Flexion |
| b. | Adduction | d. | Abduction |

ANS: A PTS: 1

 180. The Occupational Safety and Health Act of \_\_\_\_\_\_\_\_established the Occupational Safety and Health Administration in the Department of Labor.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1969 | c. | 1971 |
| b. | 1970 | d. | 1972 |

ANS: B PTS: 1

 181. Sheep have \_\_\_\_\_\_chromosomes.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 24 | c. | 44 |
| b. | 34 | d. | 54 |

ANS: D PTS: 1

 182. Goats have \_\_\_\_\_\_\_chromosomes.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 50 | c. | 64 |
| b. | 60 | d. | 70 |

ANS: B PTS: 1

 183. The normal pulse (bpm) for a pig is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 45 bpm | c. | 65 bpm |
| b. | 55 bpm | d. | 75 bpm |

ANS: D PTS: 1

 184. A sheep you are examining has a temperature of 102.5ºF. This is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Too low | c. | Too high |
| b. | Normal | d. | None of the above |

ANS: B PTS: 1

 185. Grass tetany is a result of:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nitrogen overload | c. | Magnesium deficiency |
| b. | Nitrogen deficiency | d. | Phosphorous deficiency |

ANS: C PTS: 1

 186. Anthrax is a \_\_\_\_\_\_\_\_disease of livestock.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fungal | c. | Bacterial |
| b. | Parasitic | d. | Viral  |

ANS: C PTS: 1

 187. Erythrocytes are microscopic cells also called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Platelets | c. | Red blood cells |
| b. | White blood cells | d. | Plasma |

ANS: C PTS: 1

 188. An example of a fungal disease is:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pink Eye | c. | Sarcoptic mange |
| b. | Ringworm | d. | Tuberculosis |

ANS: B PTS: 1

 189. What is the name of the set of guidelines to protect employees?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Employee Code of Ethics | c. | Hazard Communication Standard\ |
| b. | Employees Right to Know | d. | OSHA |

ANS: C PTS: 1

 190. All of the following are examples of hazards, except:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Chemical | c. | Physical |
| b. | Mental | d. | Zoonotic |

ANS: B PTS: 1

 191. All of the following are examples of safety equipment, except:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Back brace | c. | Lead gloves |
| b. | Lead apron | d. | Lead shoes |

ANS: D PTS: 1

 192. An MSDS must contain \_\_\_\_ sections.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 7 | c. | 9 |
| b. | 8 | d. | 10 |

ANS: B PTS: 1

 193. Which of the following situations would be considered an emergency?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Annual Check-Up | c. | Flea Prevention |
| b. | Runny Stool | d. | Urinary Blockage |

ANS: D PTS: 1

 194. Which of the following is NOT included on a cage card?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pet’s Name | c. | Time of day they need to go outside |
| b. | Pet Owner’s Name | d. | Procedure |

ANS: C PTS: 1

 195. A good rule to follow when restraining animals for veterinary care is:

|  |  |
| --- | --- |
| a. | Use the maximum amount of pressure and restraint possible. |
| b. | Use minimal pressure and restraint to keep the animal calm. |
| c. | Tie all limbs to minimize kicking of vet.staff. |
| d. | All of the above |

ANS: B PTS: 1

 196. Which of the following is not a part of the normal diagnosis process?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fecal exam | c. | blood exam |
| b. | urine exam | d. | post mortem exam |

ANS: D PTS: 1

 197. Diseases transmitted between animals and humans are known as \_\_\_\_\_\_\_\_\_\_?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | infectious | c. | zoonoses |
| b. | contagious | d. | viral |

ANS: C PTS: 1

 198. Dry pet food has a moisture content of \_\_\_\_\_\_%.

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  0-5 | c. | 10-15 |
| b. |  6-10 | d. | 0-3 |

ANS: B PTS: 1

 199. Organizationally, hospitals have three major system components which are a \_\_\_\_\_\_.

|  |  |
| --- | --- |
| a. | clinical, clinical service support, ancillary service |
| b. | clinical, diagnostic, surgical |
| c. | ancillary, clinical, surgical |
| d. | None of the above |

ANS: A PTS: 1

 200. What are the three levels of decontamination?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | disinfection, sterilization, containment | c. | containment, sterilization, radiation |
| b. | containment, sterilization, sanitization | d. | disinfection, sterilization, sanitization |

ANS: D PTS: 1

 201. Which of the following is not a disinfection method?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | physical | c. | chemical |
| b. | biological | d. | gaseous |

ANS: D PTS: 1

 202. By itself alcohol has\_\_\_\_\_effects on bacteria and/or viruses.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | extensive | c. | relaxed |
| b. | limited | d. | aggressive |

ANS: B PTS: 1

 203. To maintain an acceptable metabolic rate, confined animals should be house in a

\_\_\_\_\_\_ % relative humidity environment.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 30-70 | c. | 70-100 |
| b. | 10-30 | d. | 40-50 |

ANS: A PTS: 1

 204. To maintain an acceptable metabolic rate, confined animals should be housed in a\_\_\_\_\_\_\_ °F temperature range.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 80-90 | c. | 52-64 |
| b. | 64-84 | d. | 40-50 |

ANS: B PTS: 1

 205. Which type of pain arises from internal organs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | somatic | c. | visceral |
| b. | joint | d. | gas |

ANS: C PTS: 1

 206. Which of the following is not a behavioral sign of pain?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | vocalization | c. | muscle rigidity |
| b. | dilated pupils | d. | self-mutilation |

ANS: B PTS: 1

 207. Which of the following are physiological responses to pain?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | increased salivation | c. | shallow breathing |
| b. | dilated pupils | d. | all of the above |

ANS: D PTS: 1

 208. Which of the following is not a layer of skin?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | epidermis | c. | hypodermis |
| b. | dermis | d. | epithelium |

ANS: D PTS: 1

 209. \_\_\_\_\_\_\_\_connects bone to muscle.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | tendons | c. | ligaments |
| b. | cartilage | d. | hypodermis |

ANS: A PTS: 1

 210. Multi-layered arrangement of skin is found in

|  |  |  |  |
| --- | --- | --- | --- |
| a. | hooves | c. | horns |
| b. | claws | d. | all of the above |

ANS: D PTS: 1

 211. Which of the following vessels carry blood from the body to the heart?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | arteries | c. | aorta |
| b. | capillaries | d. | veins |

ANS: D PTS: 1

 212. The lymphatic systems consists of lymph nodes, tonsils, thymus and the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | lungs | c. | bladder |
| b. | spleen | d. | gall bladder |

ANS: B PTS: 1

 213. Which ruminant stomach removes excess water from stomach contents?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | abomasum | c. | rumen |
| b. | omasum | d. | reticulum |

ANS: B PTS: 1

 214. The\_\_\_\_\_\_is the location of the true enzymatic action in the ruminant digestive system.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | omasum | c. | rumen |
| b. | abomasum | d. | reticulum |

ANS: B PTS: 1

 215. The\_\_\_\_\_\_\_\_\_\_acts as a clearing house for old, worn out red blood cells.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | kidney | c. | spleen |
| b. | liver | d. | thymus |

ANS: C PTS: 1

 216. The thoracic cage is a skeletal and cartilaginous structure that surrounds and contains the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | reproductive organs | c. | nervous system |
| b. | abdominal cavity | d. | heart and lungs |

ANS: D PTS: 1

 217. Olfaction is defined as the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sense of smell | c. | sense of touch |
| b. | sense of hearing | d. | chewing |

ANS: A PTS: 1

 218. Phonation is defined as the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sense of smell | c. | sense of touch |
| b. | process of vocalization | d. | chewing |

ANS: B PTS: 1

 219. Which of the following is a part of the urinary system?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | bladder | c. | kidneys |
| b. | urethra | d. | all of the above |

ANS: D PTS: 1

 220. The long extending fiber in a nerve cell is the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dendrite | c. | axon |
| b. | synapses | d. | terminal end |

ANS: C PTS: 1

 221. Ill submissive patients should be approached with a \_\_\_\_\_\_posture speaking

|  |  |  |  |
| --- | --- | --- | --- |
| a. | timid, softly | c. | bold, softly |
| b. | bold, loudly | d. | erect, slow |

ANS: A PTS: 1

 222. Dogs, cats and cattle have an average body temperature of \_\_\_\_\_ degrees F.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 101.5 | c. | 102.5 |
| b. | 100 | d. | 104 |

ANS: A PTS: 1

 223. Which of the following animals has the lowest pulse and respiratory rates?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dog | c. | horse |
| b. | cats | d. | swine |

ANS: C PTS: 1