**Vet Science B**

**MULTIPLE CHOICE**

 1. In the absence of a known birth date, what is the most common means of determining an animal’s age?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | examine bone tissue | c. | examine the teeth |
| b. | examine muscle tissue | d. | examine the hooves/feet |

ANS: C PTS: 1

 2. Pre-molars and molars are known as \_\_\_\_\_\_\_teeth.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | wisdom | c. | cheek |
| b. | jaw | d. | deciduous |

ANS: C PTS: 1

 3. Canids are mammals characterized by pointed \_\_\_\_\_\_teeth.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | incisor | c. | molar |
| b. | canine | d. | cheek |

ANS: B PTS: 1

 4. \_\_\_\_\_\_ hear at a decibel level of 60,000 cycles per second.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dogs | c. | man |
| b. | cats | d. | none of the above |

ANS: B PTS: 1

 5. The two classes of vitamins are:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | plant, animal | c. | fat soluble, protein soluble |
| b. | fat soluble, water soluble | d. | water soluble, carbohydrate soluble |

ANS: B PTS: 1

 6. Fat provides \_\_\_\_\_\_\_\_the energy of carbohydrates.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | equal | c. | twice |
| b. | half | d. | one fourth |

ANS: C PTS: 1

 7. Grains contain\_\_\_\_\_\_\_\_\_% more energy than roughages.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 50-100 | c. | 10-15 |
| b. | 25-30 | d. | 5-10 |

ANS: A PTS: 1

 8. Which of the following is the most important part of the livestock diet?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | grain | c. | water |
| b. | roughage | d. | fiber |

ANS: C PTS: 1

 9. Which of the following knots releases quickly releasing an animal?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | bowline knot | c. | reefers knot |
| b. | granny knot | d. | square knot |

ANS: C PTS: 1

 10. Necrosis may be defined as\_\_\_\_\_\_\_\_\_\_tissue.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | scratched | c. | dead |
| b. | bruised | d. | scab |

ANS: C PTS: 1

 11. Gums that are gray, blue or pale rather than pink indicate

|  |  |  |  |
| --- | --- | --- | --- |
| a. | fever | c. | shock |
| b. | hypothermia | d. | pneumonia |

ANS: C PTS: 1

 12. Which of the following is a use of pressure bandages?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | bleeding | c. | restrict movement |
| b. | reduce swelling | d. | all of the above. |

ANS: D PTS: 1

 13. An epidural is an injection in the\_\_\_\_\_\_\_ .

|  |  |  |  |
| --- | --- | --- | --- |
| a. | lungs | c. | heart chamber |
| b. | nasal passage | d. | spinal cavity |

ANS: D PTS: 1

 14. Lice infestations are most common in the:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | winter | c. | spring |
| b. | fall | d. | year round |

ANS: A PTS: 1

 15. Meningitis is an infection of the brain:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | covering | c. | core |
| b. | tissue | d. | stem |

ANS: A PTS: 1

 16. Grass tetany/grass staggers is the result of a\_\_\_\_\_\_deficiency.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | calcium | c. | zinc |
| b. | magnesium | d. | iron |

ANS: B PTS: 1

 17. Passing a tube into a cow’s \_\_\_\_\_\_\_\_releases gas and relieves bloat.

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

ANS: B PTS: 1

 18. Cystic ovaries seem to be more common in \_\_\_\_\_\_\_\_\_\_\_\_\_cattle.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | beef | c. | zebu |
| b. | dairy | d. | Asian |

ANS: B PTS: 1

 19. \_\_\_\_\_\_\_\_\_\_\_\_\_is the accumulation of body fat exceeding the amount needed for optimal body function.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Malnutrition | c. | Hypoglycemic |
| b. | Obesity | d. | Analgesic |

ANS: B PTS: 1

 20. Which breed of dogs would be more apt to be a victim of gastric dilatation?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Poodle | c. | Border Collie |
| b. | Great Dane | d. | Irish Setter |

ANS: B PTS: 1

 21. Exposed, susceptible animals are maintained in quarantine for the duration of the \_\_\_\_\_\_\_\_\_\_\_ period of the disease.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | growth | c. | cystic |
| b. | development | d. | incubation |

ANS: D PTS: 1

 22. Normal skin has both transient and \_\_\_\_\_\_microorganisms.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | permanent | c. | resident |
| b. | dead | d. | non infectious |

ANS: C PTS: 1

 23. All except the \_\_\_\_\_\_\_\_is used for bloodless castration.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | emasculator | c. | burdizzo |
| b. | elastrator | d. | knife |

ANS: D PTS: 1

 24. The urethral orifice is an opening from the bladder into the reproductive tract of\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| a. | turkeys | c. | male mammals |
| b. | chickens | d. | female mammals |

ANS: D PTS: 1

 25. Labor, the birthing process, begins once the fetus enters the birth canal. The three

terms used to describe the orientation of the fetus in the birth canal are\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| a. | presentation, position, and posture | c. | labor, position, parturition |
| b. | presentation, position, parturition | d. | presentation, position, and preparation |

ANS: A PTS: 1

 26. The common name for the contagious disease caused by the brucella abortus bacteria is \_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | leptospirosis | c. | brucellosis |
| b. | vibriosis | d. | clostridium perfringens |

ANS: C PTS: 1

 27. A rabid animal cannot drink because of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | intestinal blockage | c. | excessive nasal swelling |
| b. | throat paralysis | d. | pustules in the mouth |

ANS: B PTS: 1

 28. In a medical record the abbreviation SOAP means:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | supply, open, apply, prepare | c. | submit, observe, ask, prepare |
| b. | subjective, objective, assessment, plan | d. | scrub, open, assess, plan |

ANS: B PTS: 1

 29. Which group was responsible for the development of the Animal Welfare Act?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | USDA | c. | US Veterinary Association |
| b. | Congress | d. | Alabama Dept. of Agriculture |

ANS: B PTS: 1

 30. Which of these agencies is responsible for the regulation of animal research?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Farm Bureau | c. | Alabama Veterinary Association |
| b. | NMDA | d. | USDA |

ANS: D PTS: 1

 31. To what animals does the USDA Animal Welfare Act apply?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nonhuman primates | c. | Warm blooded animal used for research |
| b. | Any live or dead dog | d. | All the above |

ANS: D PTS: 1

 32. According to the USDA pain/distress categories an animal that is experiencing no pain would be in:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | category D | c. | category B |
| b. | category A | d. | category E |

ANS: C PTS: 1

 33. According to the USDA pain/distress categories, an animal exposed to a potentially painful procedure for which anesthetics, analgesics, or tranquilizers will be used is in which pain category?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | category C | c. | category B |
| b. | category A | d. | category D |

ANS: D PTS: 1

 34. Category \_\_\_\_\_ are those procedures in which animals are subjected to painful or stressful procedures without the use of anesthetics, analgesics or tranquilizers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A | c. | F |
| b. | E | d. | B |

ANS: B PTS: 1

 35. Euthanasia literally means

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Research death | c. | Death of a laboratory animal |
| b. | Chemical induced death | d. | Gentle death |

ANS: D PTS: 1

 36. The USDA defines euthanasia as

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Humane destruction of an animal | c. | Painless loss of consciousness leading to death |
| b. | Rapid unconsciousness and subsequent death without evidence of pain | d. | All the above |

ANS: D PTS: 1

 37. Which of the following is a method of euthanasia?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Physical | c. | Pharmacologic methods |
| b. | Non-physical | d. | All the above |

ANS: D PTS: 1

 38. Physical methods of euthanasia would include

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Captive bolts | c. | Decapitation |
| b. | Cervical dislocation | d. | All the above |

ANS: D PTS: 1

 39. Veterinary medicine is defined as

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The cure of animal disease | c. | The treatment of injury in animals |
| b. | Science of prevention of disease in animals | d. | All the above |

ANS: D PTS: 1

 40. Which of the following is not a field of veterinary practice

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Public | c. | Social |
| b. | Private | d. | Industry |

ANS: C PTS: 1

 41. Anatomy may be defined as the study of the animal

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Body | c. | Digestive system |
| b. | Nervous system | d. | Circulatory system |

ANS: A PTS: 1

 42. Gross anatomy is the study of structures with the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Telescope | c. | Naked Eye |
| b. | Microscope | d. | Magnifying glass |

ANS: C PTS: 1

 43. Microscopic anatomy is the study of structures that are \_\_\_\_\_\_\_\_\_\_\_to the human eye.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Visible | c. | Hidden |
| b. | Invisible | d. | Unsafe |

ANS: B PTS: 1

 44. Which of the following is not a part of the lymphatic system?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tonsils | c. | Testicle |
| b. | Lymph nodes | d. | Spleen |

ANS: C PTS: 1

 45. Which of the following is not a dog group recognized the by AKC?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Herding | c. | Hound |
| b. | Sporting | d. | Hunting |

ANS: D PTS: 1

 46. Animals require quarts of water for each pound of solid feed eaten.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1.0 | c. | 2.5 |
| b. | 1.5 | d. | 2.0 |

ANS: B PTS: 1

 47. The two types of minerals are

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Macro and mini | c. | Micro and mini |
| b. | Macro and micro | d. | Digestible and non- digestible |

ANS: B PTS: 1

 48. Cats are unique because they have

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Five toes on the fore foot and four toes on the hind foot | c. | Hair balls in their stomach |
| b. | Four toes on the fore foot and five toes on the hind foot | d. | Have whiskers |

ANS: A PTS: 1

 49. Which of the following aid in digestion?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Roughages | c. | biologic |
| b. | Concentrates | d. | none of the above |

ANS: A PTS: 1

 50. When choosing a restraint method which of the following is not a factor?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | The facilities | c. | Safety for the handler |
| b. | Safety for the animal | d. | Type of rope available |

ANS: D PTS: 1

 51. Calves should be weaned at \_\_\_\_\_\_\_\_\_months of age

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  3-4 | c. | 5-9 |
| b. | 7-11 | d. | 1-2 |

ANS: C PTS: 1

 52. Foals should be weaned at \_\_\_\_\_\_months of age.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2-3 | c. | 11-16 |
| b. | 7-9 | d. |  4-6 |

ANS: D PTS: 1

 53. The ASPCA was established in

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1968 | c. | 1929 |
| b. | 1971 | d. | 1866 |

ANS: D PTS: 1

 54. Which species does parvovirus generally affect?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dogs | c. | Horses |
| b. | Cats | d. | Rats |

ANS: A PTS: 1

 55. Which moisture content would be representative of semi-moist pet foods?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 23-38 % | c. | 45-62% |
| b. | 5-10% | d. | 44-59% |

ANS: A PTS: 1

 56. Which of the following is not a type of disinfection method?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Physical | c. | Chemical |
| b. | Environmental | d. | Biological |

ANS: B PTS: 1

 57. Which of the following is not a class of chemical disinfectants?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Formaldehyde | c. | Phenolics |
| b. | Alkalies | d. | Chlorhexidine |

ANS: A PTS: 1

 58. Bedding should be constructed with the animal’s needs and\_\_\_\_\_\_\_\_\_\_\_functions in mind.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Health | c. | Biologic |
| b. | Nutritional | d. | Zoonotic |

ANS: C PTS: 1

 59. An unpleasant sensory and emotional experience associated with potential or actual tissue damage is known as

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pain | c. | Disease |
| b. | Hunger | d. | Injury |

ANS: A PTS: 1

 60. Which of the following would indicate pain?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Vocalization | c. | Self mutilation |
| b. | Silence | d. | All the above |

ANS: D PTS: 1

 61. The deep pectoral muscle is located on an animal’s

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Back | c. | Loin area |
| b. | Sternum area | d. | Near the tail head |

ANS: B PTS: 1

 62. A dog’s trapezius muscle would be located on its

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hip | c. | On either side of its tail |
| b. | Shoulder | d. | Beneath the stomach |

ANS: B PTS: 1

 63. Which blood vessels carry blood from the heart to the body?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Arteries | c. | Capillaries |
| b. | Veins | d. | Nerves |

ANS: A PTS: 1

 64. Which blood vessels carry blood from the body to the heart?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nerves | c. | Capillaries |
| b. | Arteries | d. | Veins |

ANS: D PTS: 1

 65. Which type of blood is pumped to the lungs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Deoxygenated | c. | Healthy |
| b. | Oxygenated | d. | Red blood cells |

ANS: A PTS: 1

 66. Which organ acts as a clearing house for old worn out red blood cells?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Liver | c. | Spleen |
| b. | Heart | d. | Appendi |

ANS: C PTS: 1

 67. Which of the following is a monogastric animal?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ewe | c. | Dog |
| b. | Cow | d. | Dairy goat |

ANS: C PTS: 1

 68. Which ruminant stomach removes excess water from the stomach contents?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rumen | c. | Reticulum |
| b. | Abomasum | d. | Omasum |

ANS: D PTS: 1

 69. Which of the following may cause colic in horses?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | A change of diet | c. | Excessive intake of grain |
| b. | Parasite infection | d. | All the above |

ANS: D PTS: 1

 70. Breathing is a/an \_\_\_\_\_\_\_\_\_\_\_ action of the body.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Voluntary | c. | Incidental |
| b. | Involuntary | d. | Intercostal |

ANS: B PTS: 1

 71. Where are the intercostal muscles located?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Between the ribs | c. | Beneath the jaw bone |
| b. | On either side of an animal’s tail head | d. | Below the eye |

ANS: A PTS: 1

 72. Which of the following is not a part of the urinary system?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Epididymis | c. | Ureters |
| b. | Kidneys | d. | Bladder |

ANS: A PTS: 1

 73. The pituitary gland is a part of the \_\_\_\_\_\_\_\_\_\_ system.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Nervous | c. | Endocrine |
| b. | Digestive | d. | Respiratory |

ANS: C PTS: 1

 74. Hormones travel through the

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Blood stream | c. | Nervous system |
| b. | Respiratory system | d. | Reproductive cells |

ANS: A PTS: 1

 75. Nerve cells are also known as

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Axons | c. | Neurons |
| b. | Dendrites | d. | Nerve cell bodies |

ANS: C PTS: 1

 76. Which of the subdivisions of the brain coordinate muscle movement?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cerebrum | c. | Medulla oblongata |
| b. | Cerebellum | d. | Nerve fibers |

ANS: B PTS: 1

 77. Which of the following is a sign of a healthy animal?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tail tucked | c. | Avoiding eye contact |
| b. | Crouched | d. | None of these |

ANS: D PTS: 1

 78. The burrito method (wrapping in a towel) is especially useful when your patient is a:

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

ANS: B PTS: 1

 79. \_\_\_\_\_\_\_\_\_\_\_is one of the first signs of clinical symptoms of disease or illness.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Elevated body temperature | c. | Excessive vocalization |
| b. | Tearing | d. | Lack of vocalization |

ANS: A PTS: 1

 80. Which of the following animals has a normal body temperature of 101.5°F?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dog | c. | beef cattle |
| b. | cat | d. | All the above |

ANS: D PTS: 1

 81. Which of the following species has the lowest resting pulse rate?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pig | c. | Horse |
| b. | Cattle | d. | Dog |

ANS: C PTS: 1

 82. Which of the following species has the highest resting respiratory rate?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cats | c. | Pig |
| b. | Cattle | d. | Dogs |

ANS: C PTS: 1

 83. In the canine and feline patient, the best place to take the arterial pulse is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Inside the rear leg | c. | Beneath the jaw |
| b. | Inside the front leg | d. | Along the sternum |

ANS: A PTS: 1

 84. Which species of animal has incisor teeth that continually erupt?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Snakes | c. | Dogs |
| b. | Chicken | d. | Horse |

ANS: D PTS: 1

 85. Dogs are able to hear \_\_\_\_\_\_ times better than humans.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Three | c. | Four |
| b. | Two | d. | Five |

ANS: B PTS: 1

 86. The Bullmastiff is a \_\_\_\_\_\_\_\_dog.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | toy | c. | hound |
| b. | sporting | d. | working |

ANS: D PTS: 1

 87. Which of the following domestic animals is best adapted of all at eating a diet of prey?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cats | c. | Hunting class dogs |
| b. | Dogs | d. | Guard dogs |

ANS: A PTS: 1

 88. Which of the following breeds of cattle have Bos indicus ancestry?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Angus | c. | Charolais |
| b. | Hereford | d. | Brangus |

ANS: D PTS: 1

 89. The Berkshire breed of swine closely resembles which other swine breed?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Poland China | c. | Landrace |
| b. | Yorkshire | d. | Duroc |

ANS: A PTS: 1

 90. Which of the following is not considered a “light breed“ of horses?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Paint | c. | Thoroughbred |
| b. | Quarter Horse | d. | Belgian |

ANS: D PTS: 1

 91. Which of the following is not a plant protein product?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Corn | c. | Cottonseed meal |
| b. | Soybeans | d. | Milk |

ANS: D PTS: 1

 92. \_\_\_\_\_\_\_\_\_\_\_\_ are essential for normal growth and development.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Vitamins | c. | Carbohydrates |
| b. | Fats and oils | d. | Proteins |

ANS: D PTS: 1

 93. A senior dog’s diet should be low in \_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_to reduce the workload on the kidneys and heart.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Protein, salt | c. | Carbohydrates, salt |
| b. | Fat, salt | d. | Oil, salt |

ANS: A PTS: 1

 94. The mother cat is referred to as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Sow | c. | Doe |
| b. | Queen | d. | Gilt |

ANS: B PTS: 1

 95. Which of the following has a gestation period of 63 days?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dogs and cats | c. | Rabbits and gerbils |
| b. | Rats and chickens | d. | Goats and sheep |

ANS: A PTS: 1

 96. Large breed puppies such as Labradors need a special diet to prevent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Colitis | c. | Joint problems |
| b. | Heart problems | d. | Colitis |

ANS: C PTS: 1

 97. When do Queens gain weight during pregnancy?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Last trimester | c. | Throughout |
| b. | First three weeks | d. | First trimester |

ANS: C PTS: 1

 98. Which of the following requires supplemental vitamin C because like humans their body is unable to manufacture vitamin C.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Guinea pigs | c. | Hamsters |
| b. | Rabbits | d. | Ferrets |

ANS: A PTS: 1

 99. Which of the following feed ingredients is not considered a forage?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pinto Beans | c. | Alfalfa |
| b. | Oat hay | d. | Grass hay |

ANS: A PTS: 1

 100. Cattle’s eyes enable them to have \_\_\_\_\_\_\_\_\_\_\_\_ degree panoramic vision.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 260 | c. | 300 |
| b. | 360 | d. | 180 |

ANS: C PTS: 1

 101. Swine are usually restrained using a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Head gate | c. | Halter |
| b. | Twitch | d. | Snare |

ANS: D PTS: 1

 102. Sheep instinctively flock together for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Socialization | c. | Lambing |
| b. | Breeding | d. | Protection |

ANS: D PTS: 1

 103. Ratites should be moved using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Stock dogs | c. | Hazing |
| b. | Panels | d. | Only after roping and restraining |

ANS: B PTS: 1

 104. Llamas are known to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | clumsy | c. | stubborn |
| b. | aggressive | d. | passive |

ANS: D PTS: 1

 105. Which of the following animals has the ability to spit regurgitated stomach contents when agitated.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Venomous snakes | c. | turkeys |
| b. | llamas | d. | gerbils |

ANS: B PTS: 1

 106. When snakes are handled within\_\_\_\_\_\_\_\_to\_\_\_\_\_\_\_hours after being fed they may regurgitate.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 24,48 | c. |  6,8 |
| b. | 8,12 | d. | 36,48 |

ANS: A PTS: 1

 107. Improper handling of snakes commonly leads to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Aggressive behavior | c. | Dislocation of the jaw |
| b. | Shy withdrawn behavior | d. | Spinal Injury |

ANS: C PTS: 1

 108. Quite often a lizard will\_\_\_\_\_\_\_when handled.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Vomit | c. | Drop its tail |
| b. | Spit | d. | Play dead |

ANS: C PTS: 1

 109. \_\_\_\_\_\_\_\_\_birds have strong jaws and large heavy bills.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Psittacine | c. | Precocial |
| b. | Altrical | d. | Antisocial |

ANS: A PTS: 1

 110. When handling birds you should\_\_\_\_\_\_\_\_\_the light intensity of the room.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Increase | c. | Use black lights |
| b. | Reduce | d. | Use red bulbs |

ANS: B PTS: 1

 111. The physical exam of an ill pet should begin with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Restrain | c. | Weighing the animal |
| b. | Observation | d. | Checking vital signs |

ANS: B PTS: 1

 112. If a horse is lame the veterinarian may want to perform an initial\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Flexion test | c. | X-rays |
| b. | Surgery | d. | Cat scan |

ANS: A PTS: 1

 113. What color should mucous membranes be?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Grey | c. | Blue |
| b. | Pink | d. | Pale white |

ANS: B PTS: 1

 114. Blood flowing from a vein will be\_\_\_\_\_\_\_\_\_\_\_\_in color.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bright red in a continuous flow | c. | slow to coagulate |
| b. | bright red flowing in spurts | d. | Dark in color |

ANS: D PTS: 1

 115. What generally determines the dose of drugs prescribed for a patient?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Patient weight | c. | Season of the year |
| b. | Cause of illness or injury | d. | Climatic conditions |

ANS: A PTS: 1

 116. Common syringe needles used in veterinary clinics will range from\_\_\_\_\_\_to\_\_\_\_\_\_ gauge.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 16,20 | c. | 14,24 |
| b. | 18,22 | d. | 14,28 |

ANS: C PTS: 1

 117. Which of the following is not a type of common injection?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Intradermal | c. | Intramuscular |
| b. | Intrudermal | d. | Subcutaneous |

ANS: B PTS: 1

 118. Fecal samples are commonly examined for evidence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Parasite eggs | c. | Bacteria |
| b. | Disease spores | d. | Fungi |

ANS: A PTS: 1

 119. A post mortem examination is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tissue collection | c. | Spinal tap |
| b. | Surgical procedure | d. | Necropsy |

ANS: D PTS: 1

 120. The most common source of a disease outbreak is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Contact with an infected animal | c. | Contact of mucous membrane tissue |
| b. | Exchange of blood borne bacteria | d. | Contact with infected wound tissue |

ANS: A PTS: 1

 121. Transmission routes between the original disease host and the new host include \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Venereal | c. | Ingestion |
| b. | Skin contact | d. | All the above |

ANS: D PTS: 1

 122. Modes of indirect disease transmission include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Vectors | c. | Fomites |
| b. | Vehicles | d. | All the above |

ANS: D PTS: 1

 123. Which of the following is not a common disease vector?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bees | c. | Mosquitoes |
| b. | Flies | d. | Gnats |

ANS: A PTS: 1

 124. Mechanical disease transmission generally takes place in a very\_\_\_\_\_\_\_\_period of time.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Short | c. | Intermittent |
| b. | Long | d. | Yearly |

ANS: A PTS: 1

 125. The life cycle of a tick may be\_\_\_\_\_\_to\_\_\_\_\_\_\_\_\_\_years.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 1,2 | c. | 1,5 |
| b. | 2,3 | d. | 9,11 |

ANS: C PTS: 1

 126. Which of the following is only transmissible by direct skin contact?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Lice | c. | Round worms |
| b. | Screw worms | d. | Tape worms |

ANS: A PTS: 1

 127. External parasites are known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Anthropods | c. | Dendrites |
| b. | Arthropods | d. | Tenticles |

ANS: B PTS: 1

 128. Which type of animal is especially susceptible to Anthrax?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ruminants | c. | Horses |
| b. | Rodents | d. | Swine |

ANS: A PTS: 1

 129. Anthrax is a zoonotic disease that may affect humans. Humans are susceptible to \_\_\_\_\_form of anthrax.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Intestinal | c. | Pulmonary |
| b. | Cutaneous | d. | All of the above |

ANS: D PTS: 1

 130. Brucellosis is found world - wide in which of the following types of animals?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Domestic | c. | Semi-domestic |
| b. | Wild | d. | All of the above |

ANS: D PTS: 1

 131. Brucellosis usually affects the\_\_\_\_\_\_\_tract of infected animals.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Digestive | c. | Circulatory |
| b. | Reproductive | d. | Respiratory |

ANS: B PTS: 1

 132. Brucellosis generally causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Low birth rates | c. | Abortions |
| b. | Stunted offspring | d. | Poor appetites |

ANS: C PTS: 1

 133. Which of the following diseases is also known as parrot fever?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Chlamydiosis | c. | Vibriosis |
| b. | Cat scratch fever | d. | Trichinosis |

ANS: A PTS: 1

 134. A clinical symptom of chlamydiosis would be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bloody stools | c. | Greenish Diarrhea |
| b. | Brown diarrhea | d. | Extreme constipation |

ANS: C PTS: 1

 135. Erysipelas is primarily a disease of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fish | c. | Horses |
| b. | Cattle | d. | Swine |

ANS: D PTS: 1

 136. Which group of animals serves as the primary carriers of leptospirosis?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Birds | c. | Reptiles |
| b. | Fish | d. | Rodents |

ANS: D PTS: 1

 137. Which of the following diseases has very similar symptoms to rabies?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Listerosis | c. | Weil’s disease |
| b. | Brucellosis | d. | Lyme disease |

ANS: A PTS: 1

 138. Which of the following are primary reservoirs of Lyme disease?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | White tailed deer | c. | Dairy cattle |
| b. | Beef cattle | d. | Sheep |

ANS: A PTS: 1

 139. The plague is generally transmitted by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Mosquitos | c. | Black fly |
| b. | Fleas | d. | Recluse spider |

ANS: B PTS: 1

 140. In humans and animals, salmonellosis will cause \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Watery diarrhea | c. | Nausea |
| b. | Fever | d. | All the above |

ANS: D PTS: 1

 141. Encephalitis is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bloody scours | c. | Sleeping sickness |
| b. | Blind staggers | d. | Grass tetany |

ANS: C PTS: 1

 142. In what region of the US is hantavirus most commonly a problem?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Southeast | c. | Southwest |
| b. | Northeast | d. | Northwest |

ANS: C PTS: 1

 143. Rabies is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hydromania | c. | Hydrophobia |
| b. | Acrophobia | d. | Aquaphobia |

ANS: C PTS: 1

 144. Ringworm is the common name for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dermatophytosis | c. | Epidermatoposis |
| b. | Dermatitis | d. | Epidermatitis |

ANS: A PTS: 1

 145. Which of the following is a blood parasite responsible for heartworm in dogs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Diroflaria immitis | c. | Dipylidiasis |
| b. | Dipylidium caninum | d. | Toxocara canis |

ANS: A PTS: 1

 146. \_\_\_\_\_\_\_and\_\_\_\_\_\_\_\_commonly transmit roundworms to humans.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Puppies and kittens | c. | Small pets such as gerbils and hamsters |
| b. | Mature cattle and calves | d. | Rodents |

ANS: A PTS: 1

 147. The majority of \_\_\_\_\_\_\_\_\_infected with toxoplasmosis show no symptoms.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Swine | c. | Dogs |
| b. | Cattle | d. | Cats |

ANS: D PTS: 1

 148. Viruses are small\_\_\_\_\_\_organisms.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | acellular | c. | bleeding |
| b. | cellular | d. | Sinusitis |

ANS: A PTS: 1

 149. Viruses infect animal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Membranes | c. | Fluids |
| b. | Tissues | d. | Cells |

ANS: D PTS: 1

 150. Bacteria are tiny\_\_\_\_\_\_\_\_\_organisms.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Multi-celled | c. | Non cellular |
| b. | Single-celled | d. | cellular |

ANS: B PTS: 1

 151. A fungi is a single celled organism that is\_\_\_\_\_\_\_\_\_\_\_\_\_than bacteria.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Larger | c. | similar in size |
| b. | smaller | d. | not undergoing cellular division |

ANS: A PTS: 1

 152. Gastroenteritis is the\_\_\_\_\_\_\_\_\_\_of the gastrointestinal tract.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Infection | c. | Reduction |
| b. | Inflammation | d. | Bleeding |

ANS: B PTS: 1

 153. Which of the following is the inflammation of the mucous membranes of the nasal passages?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Sinusitis | c. | Tonsillitis |
| b. | Rhinitis | d. | Tuberculosis |

ANS: B PTS: 1

 154. Pneumonitis is the acute or chronic inflammation of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Lung tissue | c. | Intestinal tract |
| b. | Esophagus | d. | Reproductive tract |

ANS: A PTS: 1

 155. Metritis is the inflammation of the\_\_\_\_\_\_\_\_\_\_\_\_\_\_due to viral, protozoal or bacterial infections.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | uterus | c. | cervix |
| b. | vagina | d. | ovary |

ANS: A PTS: 1

 156. Mastitis is the inflammation of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Infindibulum | c. | Scrotum |
| b. | Testicles | d. | Udder tissue |

ANS: D PTS: 1

 157. An increased\_\_\_\_\_\_\_\_\_\_\_\_cell count would indicate mastitis.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | White | c. | Red blood |
| b. | Somatic | d. | Sperm |

ANS: B PTS: 1

 158. Warts are fibrous tumors of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Bone | c. | Skin |
| b. | Muscle | d. | Nerves |

ANS: C PTS: 1

 159. Myocarditis is an inflammation of the\_\_\_\_\_\_\_\_\_muscle.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hip | c. | Heart |
| b. | Sternum | d. | Lung |

ANS: C PTS: 1

 160. Conjunctivitis is an inflammation of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Interior lining of the eyelids | c. | Inner ear |
| b. | External ear canal | d. | Cornea |

ANS: A PTS: 1

 161. Ear infections are more common in\_\_\_\_\_\_\_\_\_\_\_animals.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | All | c. | Small |
| b. | Large | d. | Ear infections are not a common ailment in animals. |

ANS: C PTS: 1

 162. Water makes up about\_\_\_\_\_\_\_\_\_\_\_% of an animal’s body.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 50 | c. | 90 |
| b. | 60 | d. | 85 |

ANS: B PTS: 1

 163. Which of the following is required for healthy bone growth?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Minerals | c. | Carbohydrates |
| b. | Fats | d. | Proteins |

ANS: A PTS: 1

 164. Milk fever is created by a deficiency of\_\_\_\_\_\_\_\_following calving.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Magnesium | c. | Calcium |
| b. | Phosphorus | d. | Cobalt |

ANS: C PTS: 1

 165. Dystocia is the term for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Difficult or impossible birth | c. | Lambing paralysis |
| b. | Displacement of one or both hips | d. | Low blood sugar |

ANS: A PTS: 1

 166. \_\_\_\_\_\_\_is the first milk produced by female animals that have recently given birth.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Colostrum | c. | Calcium |
| b. | Clostridium | d. | Subunit |

ANS: A PTS: 1

 167. Bleach is an effective disinfectant. What kind of disinfectant is bleach?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ammonium | c. | Formaldehyde |
| b. | Alkalies | d. | Chlorine |

ANS: D PTS: 1

 168. Labor begins with the initial contractions of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cervix | c. | Ovaries |
| b. | Uterus | d. | Vagina |

ANS: B PTS: 1

 169. The triceps brachii muscle is located on the outside of the upper\_\_\_\_\_\_of cattle.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rib Cage | c. | Shoulder |
| b. | Neck | d. | Between the pastern and knee |

ANS: C PTS: 1

 170. The superficial muscle is located between the\_\_\_\_\_\_\_of a horse.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Front legs | c. | Ears |
| b. | Rear legs | d. | Nostrils |

ANS: A PTS: 1

 171. The latissimus dorsi muscle of the dog is located:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Along the upper side of the neck | c. | On the outer side of the front leg |
| b. | Along the throat | d. | Behind the shoulder above the upper rib cage |

ANS: D PTS: 1

 172. The integumentary system includes the\_\_\_\_\_\_\_and\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Skin and skeletal structure | c. | Skin and digestive structures |
| b. | Skin and modified skin structures | d. | Skin and circulatory structures |

ANS: B PTS: 1

 173. Functions of the skin include:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Defense against harmful agents | c. | Water balance |
| b. | Regulates body temperature | d. | All the above |

ANS: D PTS: 1

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

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Dermis | c. | Hypodermis |
| b. | Epidermis | d. | None of the above |

ANS: C PTS: 1

 175. Which of the following is the outer layer of skin?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Hypodermis | c. | Epidermis |
| b. | Dermis | d. | Dyddrodermis |

ANS: C PTS: 1

 176. The\_\_\_\_\_\_is a deep layer of skin with dense, irregular connective tissue.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Epidermis | c. | Hypodermis |
| b. | Dermis | d. | Exodermis |

ANS: B PTS: 1

 177. Which of the following are modified skin structures?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Horns | c. | Claws |
| b. | Hooves | d. | All the above |

ANS: D PTS: 1

 178. \_\_\_\_\_\_\_connect(s) bone to bone.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Muscle | c. | Tendons |
| b. | Ligaments | d. | Cartilage |

ANS: B PTS: 1

 179. \_\_\_\_\_\_\_\_attach(es) muscle to bone.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Tendons | c. | Muscle |
| b. | Ligaments | d. | Cartilage |

ANS: A PTS: 1

 180. Smooth muscle, mononucleated and nonstriated, is involved in \_\_\_\_\_\_\_ contraction and located in the wall of \_\_\_\_\_\_\_\_\_\_ organs.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Involuntary, rigid | c. | Voluntary , solid |
| b. | Voluntary, hollow | d. | Involuntary, hollow |

ANS: D PTS: 1

 181. Skeletal muscle, large, striated, and multi-nucleated, is used for \_\_\_\_\_\_\_\_movement and attached to\_\_\_\_\_\_\_\_\_organs.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Voluntary, organs | c. | Voluntary, bone |
| b. | Involuntary, bone | d. | Involuntary, eye muscles |

ANS: C PTS: 1

 182. Which of the following is a type of bone?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Long | c. | Flat |
| b. | Short | d. | All of the above |

ANS: D PTS: 1

 183. Which type of bone has a shaft and two extremities?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Short | c. | Irregular |
| b. | Long | d. | Flat |

ANS: B PTS: 1

 184. Which type of bone is the same dimension in all directions?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Flat | c. | Short |
| b. | Long | d. | Hollow |

ANS: C PTS: 1

 185. Bone functions include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Support | c. | Mineral regulation |
| b. | Protection | d. | All of the above |

ANS: D PTS: 1

 186. Muscles are a collection of\_\_\_\_\_\_\_cells.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Elongated | c. | Elastic |
| b. | Round | d. | Meiosis |

ANS: A PTS: 1

 187. Muscle cells have the ability to \_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_to produce movement and generate force.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Contract, thicken | c. | Elongate, stretch |
| b. | Contract, shorten | d. | Contract, elongate |

ANS: D PTS: 1

 188. A distinguishing feature of muscle is its high level of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fat | c. | Water |
| b. | Carbohydrate | d. | Protein |

ANS: D PTS: 1

 189. What type of blood is pumped into the lungs?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Deoxygenated | c. | Oxygenated and deoxygenated |
| b. | Oxygenated | d. | Blood is not pumped into the lungs |

ANS: A PTS: 1

 190. How many chambers are found in the heart?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Six | c. | Three |
| b. | Two | d. | Four |

ANS: D PTS: 1

 191. Deoxygenated blood is returned to the heart through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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

ANS: B PTS: 1

 192. Oxygenated blood from the lungs is sent through left atrium to the left \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Ventricle | c. | Right atrium |
| b. | Aorta | d. | Left atrium |

ANS: A PTS: 1

 193. Blood leaving the heart is pumped through the\_\_\_\_\_\_\_\_to other organs of the body.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Left aorta | c. | Left ventricle |
| b. | Jugular | d. | Aorta |

ANS: D PTS: 1

 194. Lymph vessels run parallel to the\_\_\_\_\_\_\_\_ system.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Venous | c. | Arterial |
| b. | Nervous | d. | Digestive |

ANS: A PTS: 1

 195. The\_\_\_\_\_\_\_\_\_serves in the normal development and maintenance of immunologic cells

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Spleen | c. | Thymus |
| b. | Cowper’s gland | d. | Gall bladder |

ANS: C PTS: 1

 196. The process of \_\_\_\_\_\_\_\_\_\_\_\_\_ involves the mouth, teeth, tongue, lips, cheeks, and palate.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Prehension | c. | Absorption |
| b. | Digestion | d. | Elimination |

ANS: A PTS: 1

 197. Which two ruminant stomachs work together with symbiotic bacteria and protozoa to break down food?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Rumen, omasum | c. | Rument, reticulum |
| b. | Omasum, abomasum | d. | Abomasum reticulum |

ANS: C PTS: 1

 198. Breathing is accomplished when the \_\_\_\_\_\_\_muscle contracts and then relaxes.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Deltoid | c. | Gluteous |
| b. | Diaphragm | d. | Intercostal |

ANS: B PTS: 1

 199. In addition to gaseous exchange the respiratory system also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Warms and humidifies air | c. | Aids in olfaction |
| b. | Removes foreign particles | d. | All the above |

ANS: D PTS: 1

 200. Which organ aids in blood pressure regulation and the control of red blood cell production in bone marrow?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Liver | c. | Bladder |
| b. | Kidney | d. | Testicle |

ANS: B PTS: 1

 201. An incoming spinal nerve impulse is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Afferent | c. | Deterrent |
| b. | Efferent | d. | Adherent |

ANS: A PTS: 1

 202. Nerve impulses may travel \_\_\_\_\_\_or \_\_\_\_\_from neuron to neuron.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Chemically, electrically | c. | Electrically , hormonal |
| b. | Chemically, hormonal | d. | Electrically, voluntarily |

ANS: A PTS: 1

 203. Which area of the brain is responsible for the highest mental activities?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Stem | c. | Cerebrum |
| b. | Cerebellum | d. | Medulla oblongata |

ANS: C PTS: 1

 204. Which area of the brain controls respiration and circulation?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cerebrum | c. | Stem |
| b. | Medulla Oblongata | d. | Cerebellu |

ANS: B PTS: 1

 205. Genes are carried on threads of living matter called

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Proteins | c. | Alelles |
| b. | Chromosomes | d. | Centromere |

ANS: B PTS: 1

 206. There are\_\_\_\_\_\_\_\_\_amino acids in the body.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 48 | c. | 24 |
| b. | 12 | d. | 20 |

ANS: D PTS: 1

 207. Which domestic pet was domesticated first?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Cat | c. | Parakeet |
| b. | Dog | d. | Turtle |

ANS: B PTS: 1