

1. The minimum amount of fecal matter needed for a routine fecal flotation of a dog or cat would be:
 - a. Enough to fill an 8-ounce cup
 - b. Enough to fill a 10 ml test tube
 - c. **The size of a dime**
 - d. All that can be obtained using a palpation sleeve
2. An iguana is typically 7-12 inches long at birth, but in adulthood may reach a length of:
 - a. More than 10 feet
 - b. **Six feet**
 - c. Four feet
 - d. Two feet
3. Most oral liquids are administered to horses by way of a stomach tube.
 - a. **True**
 - b. False
4. A 22 gauge needle compared to a 20 gauge needle
 - a. **Blue cap/Pink cap**
 - b. Green cap/Blue cap
 - c. Pink cap/Green cap
 - d. Yellow cap/ Blue cap
5. A safety feature designed to protect veterinary workers using or assisting with gas anesthesia procedures is a:
 - a. Filtration system
 - b. Vent-a-hood
 - c. Gas masks
 - d. **Scavenging system**
6. One purpose of wearing gloves when handling biopsy samples is to avoid:
 - a. Sunburn
 - b. **Infection**
 - c. Saturation
 - d. Blood contact
7. A simple sugar, a monosaccharide in certain foodstuffs, especially fruit, and in normal blood the major source of energy for many living organisms:
 - a. Protein
 - b. Carbohydrate
 - c. Lipid
 - d. **Glucose**
8. When handling Psittacines, you should
 - a. Wear gloves
 - b. **Dim the lights**
 - c. Always sedate with Xylazine
 - d. Hold the beak

9. A dairy cow will often drink how much water per day?
- 1 gallon
 - 5 gallons
 - 20 gallons
 - 45 or more gallons
10. Which is not a common syringe size?
- 2 cc
 - 3 cc
 - 12 cc
 - 30 cc
11. The close monitoring of all boarded animals is important but it is perhaps most important for:
- Dogs
 - Hamsters
 - Birds
 - Cats
12. The common name for *Dirofilaria immitis* is
- Hookworm
 - Roundworm
 - Heartworm
 - Mange
13. When reading food labels, you should know that:
- Ingredients are listed in alphabetical order (a-to-z)
 - Ingredients are listed in ascending order according to amount in the container (least-to-greatest)
 - Ingredients are listed in no particular order
 - Ingredients are listed in descending order according to amount in the container (greatest-to-least)
14. The Rabies vaccination must be given to puppies by what age?
- 8 weeks
 - 10 weeks
 - 16 weeks
 - 20 weeks
15. An unopened, autoclaved pack is considered sterile for
- 7 days
 - 30 days
 - 90 days
 - forever
16. The minimum time required to properly autoclave, by moist heat, stainless steel surgical instruments:
- 10 minutes
 - 30 minutes
 - less than 5 minutes
 - 1 to 2 hours

17. The best rule for a veterinary assistant to follow with respect to medications stored in the veterinary clinic is:
- Immediately dispose of all medications remaining after the initial administration
 - Never dispose of medications before the expiration date
 - Always dispose of medications after the expiration date
 - Never dispose of medications unless directed to do so by the veterinarian or supervising RVT
18. Animals with chronic kidney problems should receive a diet that is:
- Relatively low in protein
 - Relatively high in fat
 - Relatively high in protein
 - Relatively high in fat and protein
19. If you are dipping for mange, you should:
- Thoroughly dry the animal after dipping and before caging
 - Put the animal into the cage dripping and allow it to dry on its own
 - Partially towel dry the animal and use a heat lamp to complete the process
 - Partially towel dry the animal and use a hair dryer to complete the process
20. All of the following statements relating to the “human-animal bond” are false, except:
- It is foolish to think that anyone would regard their pet as a “little person with fur.”
 - When an animal’s prognosis is extremely grave, it is best to adopt a jovial, light hearted attitude with the owner, perhaps telling jokes and laughing.
 - The impression a client develops of you and the clinic during a crisis situation will be soon forgotten so you shouldn’t let it concern you.
 - As a whole, our society is becoming more attached to its companion animals and treating them more like members of the family, a trend that has accelerated in the past 50 years.
21. A special solution used for lubricating surgery instruments is called:
- WD-40
 - Milk bath
 - Milk oil
 - Milk paint
22. Which of the following is not a valid reason for cleaning x-ray cassettes on a regular basis?
- To prevent the spread of disease from animal to animal
 - To prevent debris from interfering with the image once developed
 - To preserve the life of the cassette
 - To decrease residual radiation hazard
23. Rules governing the use of disposal of controlled substances are enforced by:
- EPA
 - OSHA
 - DEA
 - OSHA and DEA

24. The most popular caged birds are:
- Parakeets and canaries
 - Finches and parrots
 - Cockatiels and macaws
 - Cockatoos and dove
25. On a food label, BV stands for
- Biological Variables
 - Biological Value
 - Body variables
 - Body value
26. The syringe size most commonly used to administer routine vaccines in small animal hospital is:
- 12 cc
 - 3 cc
 - 6 cc
 - 20 ml
27. Which of the following would not be part of the required PPE for an animal dentistry procedure:
- Utility gloves
 - Apron
 - Face shield
 - Safety glasses
28. A general term that means to render an animal sterile is:
- Neutralize
 - Neuter
 - Castrate
 - Spay
29. Which of the following directions for submitting a brain rabies testing is incorrectly stated?
- The head or brain should be frozen solid and packed in dry ice to prevent thawing
 - Ship the specimen in a container that will insulate it so it stays between 32 and 45° F.
 - The head should be placed in a plastic bag and then into the insulating container
 - You need to attach an identification number or name to the inner container, particularly if you are placing several containers into one larger one.
30. Which of the following rodents has been known to carry hantavirus bubonic plague?
- Gerbils
 - Hamsters
 - Guinea pigs
 - Prairie dogs

31. One purpose of wearing gloves when handling biopsy samples is to avoid:
- Sunburn
 - Infection
 - Saturation
 - Blood contact
32. Which of the following is not a vaccination commonly given to dogs:
- Rabies
 - Distemper
 - Black leg
 - Hepatitis
33. Using the formula: $\% \text{ crude protein} / (100\% - \text{moisture content}) = \% \text{ protein in the diet}$, calculate the percent protein an animal would get from eating the can of pet food

Crude protein	Min.	3.50%
Crude fat	Min.	6.00%
Crude fiber	Max.	0.50%
Moisture	Max.	75.00%
Calcium	Min.	0.10%
Phosphorus	Min.	0.02%
Size of can		16.0 oz.

describe below:

- 25%
 - 14%
 - 26%
 - 75%
34. If a necropsy is to be performed on a dead animal; the body should be:
- Wrapped in a clean blanket and buried
 - Placed in a plastic bag and frozen
 - Refrigerated, not frozen
 - Left on the treatment table until the veterinarian can examine it
35. When performing hydrotherapy, the water should generally be
- Hot
 - Cold
 - Tepid
 - Distilled
36. Control of an animal so that it can be examined or treated:
- Caging
 - Restraint
 - Euthanasia
 - Constraint
37. Which of the following statements most correctly identifies the greyhound?
- Belongs to the Sporting Group used for retrieving birds
 - Belongs to the Hound Group used for racing
 - Belongs to the Herding Group used for sheep herding
 - Belongs to the Working Group used to guard businesses

38. "MSDS" is a common acronym for:
- Material Safety Data Sheets
 - Maternal System Daily Samples
 - Multi-Sided Disaster Source
 - Modern Safety Diagnostic Shields
39. The solution most commonly employed in the veterinary hospital for lubricating stainless steel surgical instruments:
- Septisol
 - Instrument milk
 - Instrument solution
 - Stainless tube
40. Swine are raised primarily for their:
- Looks
 - Fur
 - Meat
 - Milk
41. SOP stands for:
- Stabilization Only Permitted
 - Standard Operating Procedures
 - Same Old Practices
 - Significant Overhead Practices
42. The initial letters "OSHA" stand for:
- Operational Standards for Hospital Administration
 - Occupational Safety and Health Administration
 - Oregon Snake and Herpetological Association
 - Organization for Superstars with Healthy Appetites
43. Which of the following animals is an amphibian?
- Iguana
 - Snake
 - Turtle
 - Frog
44. Which of the following might pose a risk to human pregnancy?
- X-rays
 - Anesthetic Gases
 - Heavy lifting
 - All of the above
45. Once daily pharmacy abbreviation.
- SID
 - BID
 - TID
 - UPS
46. The primary advantage of gas sterilization is:
- It is safe for most equipment
 - It is safe for the operator
 - It is the least expensive method of sterilization
 - No special equipment is needed to use a gas sterilizer

47. The best rule to follow when answering client questions about their animal is:
- Don't give an answer if you are uncertain your information is correct
 - Always hedge your answers with words like "maybe," "sometimes," or "can't ever tell".
 - Just tell them "We don't know what's wrong, we will just have to wait and see."
 - Make up any answer as long as it sounds scientific, the owner won't know the difference.
48. A safety feature designed to protect veterinary workers using or assisting with gas anesthesia procedures is a:
- Filtration system
 - Vent-a-hood
 - Gas masks
 - Scavenging system
49. Why should x-ray gowns be hung properly on hangers when not in use:
- The lead in the gown can crack if the gown is folded on itself
 - The gown may develop unsightly wrinkles if not hung properly
 - So the gown can be located quickly when needed
 - So the gown will not get soiled easily
50. The following breeds are all used for beef production, except:
- Holstein
 - Hereford
 - Angus
 - Brahman
51. Improperly restraining a rabbit, may lead to which common injury?
- Broken back
 - Seizures
 - Fainting
 - Tail Sloughing
52. A point of interest of, at, or near the tail or hind parts:
- Distal
 - Dorsal
 - Caudal
 - Ventral
53. Determine the number of pounds in 15.4 kg:

1 oz. = 28.35 g
16 oz. = 1 lb. 2.2
lbs. = 1 kg

- 33.9
- 5.6
- 7.0
- 9.3

54. The premature expulsion of the fetus from the uterus or the termination of pregnancy before the fetus is viable is known as:
- Dysplasia
 - Euthanasia
 - Abortion
 - Adoption
55. Bleach water and glutaraldehyde are often used in cleaning clinic facilities because the combination of the two agents ___(?)___ than either agent would if used alone.
- Controls offensive odors better
 - Kills more microorganisms
 - Removes more stubborn stains
 - Provide a more calming effect on patients
56. In the veterinary hospital, ultrasonic equipment is used to clean:
- Instruments
 - Anesthesia machines
 - Autoclaves
 - Windows
57. Which of the following is not a common bedding material for horses?
- Newspapers
 - Straw
 - Wood shavings
 - Peat moss
58. Which of the following questions would the veterinary assistant probably not ask of the animal owner?
- What is the animal's name?
 - Does the animal eat a special diet?
 - Is the animal on any medication?
 - Is the animal stolen?
59. The number one type of restraint for cattle is the:
- Squeeze chute
 - Muzzle
 - Halter
 - Cattle prod
60. The most appropriate procedure for the disposal of used hypodermic needles would be:
- Clean and autoclave all used needles for re-use
 - Put used needles in any closed container for disposal
 - Wash the used needles and place in any convenient trash container
 - Place all used needles in the bio-hazardous sharps container
61. Autoclaving equipment is designed to:
- Kill only bacteria
 - Kill only viruses
 - Kill only spores
 - Kill all infectious life forms

62. Otitis refers to inflammation of the
- Eye
 - Ear
 - Gums
 - Bladder
63. A vessel through which blood passes away from the heart to the various parts of the body:
- Vein
 - Capillary
 - Artery
 - Cardiac
64. The segregation of patients with a communicable disease:
- Isolation
 - Deprivation
 - Disinfection
 - Triage
65. An electrocardiograms looks at
- The electrical activity of the brain
 - The electrical activity of the heart
 - The movement of the heart
 - The size of the heart
66. A break in the continuity of the bone:
- Laceration
 - Hemorrhage
 - Suture
 - Fracture
67. An instrument used to hear and amplify sounds produced by heart and other internal organs is called a:
- Stethoscope
 - Audioscope
 - Telescope
 - Microscope
68. Where would patient records most likely be found in a veterinary clinic?
- Exam Room
 - Front Desk and Waiting Area
 - Treatment Area
 - Isolation Ward
69. Which is the correct spelling?
- Diarhea
 - Diarrhea
 - Diarea
 - Diarrea

70. In mammals, the brain is part of the ___(?)__.
- NBC
 - CBS
 - CNS
 - NSC
71. The film produced during the x-ray process is called a:
- Videotape
 - Radiograph
 - Photograph
 - Hologram
72. Which of the following routes provides the most rapid rate of medication absorption?
- In the skin
 - In the vein
 - In the muscle
 - Oral
73. The delivery of a fetus by surgical incision through the abdominal wall and uterine wall is called a:
- Tubal ligation
 - Castration
 - Cesarean
 - Appendectomy
74. Which vein will typically be used when drawing a blood sample from a horse?
- Cephalic
 - Jugular
 - Thoracic
 - Saphenous
75. Indicating the administration of medication by injection, not through the alimentary canal:
- Topical
 - Parenteral
 - Rectal
 - Oral
76. A 22 gauge needle compared to a 20 gauge needle
- Blue Cap/Pink Cap
 - Green Cap/ Blue Cap
 - Pink Cap/ Green Cap
 - Yellow Cap/ Blue Cap
77. Directed toward or situated on the belly surface:
- Ventral
 - Dorsal
 - Lateral
 - Caudal

78. Rapid movement of fecal matter through the intestine resulting in abnormally frequent evacuation of watery feces:
- Regurgitation
 - Anemia
 - Dysplasia
 - Diarrhea**
79. Of the following items, which one would not be considered bio-hazardous material:
- Bloody sponges
 - Swabs used for fecal sample
 - Stomach contents
 - Tissues used to clean microscopes**
80. Excision of the testicles or their destruction by radiation or parasites:
- Spay
 - Intubation
 - Castration**
 - Ovariohysterectomy
81. An assistant can often aid the veterinarian with the diagnosis of this condition by observing the animal's feces while cleaning its cage:
- Mange
 - Heartworms
 - Tapeworms**
 - Rabies
82. Which of the following is not a common placement of an injection
- Intraocular**
 - Intravenous
 - Intramuscular
 - Intradermal
83. If you are trimming the nails on a dog to be bathed, do it after the bath.
- True
 - False
84. Meaning to administer medication twice daily, 12 hours apart:
- BID**
 - SID
 - TID
 - ID
85. Which is misspelled?
- Veternarian**
 - Scalpel
 - Sarcoptic
 - Demodectic
86. DSH stands for
- Distemper-Salmonella-Hepatitis
 - Domesticated Solid Hair
 - Domestic Short Hair**
 - Diabetes Secondary to Hepatitis
87. A term referring to an inflammation of the ear:

- a. Conjunctivitis
 - b. Otitis
 - c. Dermatitis
 - d. Phlebitis
88. Which of the following would not generally provide protection from the penetration of harmful x-rays?
- a. Rubber boots
 - b. Radiation goggles
 - c. Leaded apron
 - d. Shielded gloves
89. Which of the following is not a rodent?
- a. Hamster
 - b. Hedgehog
 - c. Chincilla
 - d. Gerbil
90. Never store blood in the same refrigerator as other lab samples.
- a. True
 - b. False
91. A good example of a dual-purpose cattle breed is the:
- a. Shorthorn
 - b. Holstein
 - c. Charolais
 - d. Angus
92. Pigs are classified as what group of animals?
- a. Bovine
 - b. Equine
 - c. Canine
 - d. Porcine
93. The acronym "SOP" as used in a veterinary clinic usually means:
- a. Super Obese Patient
 - b. Sub-Optimal Performance
 - c. Severe Ovarian Pain
 - d. Standard Operating Procedure
94. TID means
- a. three times daily
 - b. two times daily
 - c. one time daily
 - d. four times daily
95. Which of the following is a viral infection which may affect cattle, dogs and swine, but is most commonly seen in dogs where the clinical symptoms are vomiting and diarrhea, often with blood, high fever and dehydration?
- a. Distemper
 - b. Scabies
 - c. Ringworm
 - d. Parvovirus
96. When reading food labels, you should know that:

- a. Ingredients are listed in alphabetical order (a to z)
 - b. Ingredients are listed in ascending order according to amount in the container (least to greatest)
 - c. Ingredients are listed in no particular order
 - d. Ingredients are listed in descending order according to amount in the container (greatest to least)
97. The clinical instrument most likely to cause injury during cleaning and lubrication if not handled carefully is (are):
- a. Scalpel
 - b. Hemostat
 - c. Scissors
 - d. Forceps
98. While it is recommended that exposure be kept to a minimum there are currently no known health risks associated with use of:
- a. Enriched Uranium
 - b. Ultrasound
 - c. X-rays
 - d. Plutonium
99. Which of the following animals is not a rodent?
- a. Rabbit
 - b. Rat
 - c. Guinea
 - d. Hamster
100. Which is the largest in size?
- a. Mouse
 - b. Guinea Pig
 - c. Hamster
 - d. Gerbil
101. The best way to determine the food and water intake of an animal is to:
- a. Measure how much food and water is given to the animal and later measure how much of each is left.
 - b. Measure waste excreted by the animal during a 24-hour period.
 - c. Count the number of times the animal visits the water and food bowls in its enclosure each day.
 - d. Weight the animal in the morning and again at night to determine the weight gain.
102. The way you know sterilization has occurred, is because
- a. The temperature reached 350° C.
 - b. The presence of steam upon opening the autoclave
 - c. The color change to the autoclave tape
 - d. The presence of steam and temperature
103. A visible record on film produced by X-rays passing through an object is known as a:
- a. Autograph
 - b. Radiogram
 - c. Radiograph

- d. Seismograph
104. Which of the following is not a concern when restraining a dog?
- a. Bite
 - b. Back Strain
 - c. Kick
 - d. Scratch
105. The main potential hazard associated with the use of an autoclave is:
- a. Radiation exposure
 - b. Frostbite from extreme cold
 - c. Hearing loss due to excessive noise
 - d. Burns or scalds from extreme heat
106. When worming a horse, the stomach tube is generally passed through the
- a. Nose
 - b. Mouth
 - c. Rectum
 - d. Intestines
107. The following should only be disposed of in biohazard containers, never should they be thrown into the trash:
- a. Shampoos and floor cleaners
 - b. Chemotherapy agents and liquid drain cleaners
 - c. Antibiotics and chemotherapy agents
 - d. Antibiotics and shampoos
108. Either of two organs in the lumbar region that filter the blood, excreting the end products of metabolism in the form of urine:
- a. Heart
 - b. Lung
 - c. Testes
 - d. Kidney
109. A thyroid shield
- a. Protects the dog's thyroid
 - b. Protects the assistant's thyroid
 - c. Is for bite protections
 - d. Prevents contamination from urine
110. What advantage does gas sterilization have over an autoclave?
- a. Faster
 - b. Safer
 - c. Will not melt plastic items/instruments
 - d. There are no advantages
111. Which of the following cautions is not good advice to follow when moving cattle to or from a stall or holding pen?
- a. As a cow moves into a chute, block it from behind so that it cannot back out.
 - b. If you are unloading cattle from a trailer, make sure there are not gaps between the trailer and chute or pen more than 3 inches wide.
 - c. Always use a cattle prod vigorously when unloading cattle, because they are very stubborn animals and will not readily leave a trailer or other place of confinement.

- d. Never lean over a cow's head in a chute.
112. The minimum amount of fecal matter needed for a routine fecal flotation of a dog or cat would be:
- a. Enough to fill an 8-ounce cup
 - b. Enough to fill a 10 ml test tube
 - c. **The size of a dime**
 - d. All that can be obtained using a palpation sleeve
113. A localized protective response incited by injury or destruction of tissue that serves to destroy dilute or wall off both infectious agent and injured tissue is known as:
- a. Conjunctivitis
 - b. Dermatitis
 - c. Otitis
 - d. **Inflammation**
114. Which of the following is not a reptile?
- a. Iguana
 - b. Lizard
 - c. Turtle
 - d. **Frog**
115. Which of the following is not considered a Sporting Breed of dog:
- a. German Shorthaired Pointer
 - b. **German Shepherd**
 - c. Golden Retriever
 - d. Cocker Spaniel
116. If a carcinogenic substance comes in direct contact with you, you will die.
- a. True
 - b. **False**
117. Which of the following would be classified as a Toy Breed?
- a. **Pug**
 - b. Chow Chow
 - c. Bloodhound
 - d. Basenji
118. Which of the following rodents has been known to carry hantavirus and bubonic plague?
- a. Gerbils
 - b. Hamsters
 - c. Guinea pigs
 - d. Prairie dogs
119. One purpose of wearing gloves when handling biopsy samples is to avoid:
- a. Sunburn
 - b. **Infection**
 - c. Saturation
 - d. Blood contact
120. Most surgical packs are prepared for surgery using which of the following forms of sterilization?
- a. Chemical

- b. Radiation
- c. Moist head
- d. Gas

121. Which of the following caged birds is the most popular in this country?

- a. Macaws
- b. Parrots
- c. Parakeets
- d. Cockatoos

122. You should only have your hand in the direct x-ray beam if wearing lead gloves.

- a. True
- b. False

123. Determine, to the nearest ounce, the number of ounces in 4.55 kg:

1 oz. = 28.35 g
16 oz. = 1 lb. 2.2
lbs. = 1 kg

- a. 125
- b. 150
- c. 155
- d. 160

124. A dead dog's eyes

- a. Are always open
- b. Are always closed
- c. Both are possible

125. A scavenger system accomplishes which task?

- a. Inventories pharmacy products
- b. Locates lost pets
- c. Removes waste anesthetic gases
- d. Searches the computer data base

126. An autoclave sterilizes by combining which two elements?

- a. Disinfectants and heat
- b. Disinfectants and steam
- c. Steam and heat
- d. All of the above

127. If a necropsy is to be performed on a dead animal, the body should be:

- a. Wrapped in a clean blanket and buried
- b. Placed in a plastic bag and frozen
- c. Refrigerated, not frozen
- d. Left on the treatment table until the veterinarian can examine it

128. A safety feature designed to protect veterinary workers using or assisting with gas anesthesia procedures is a :

- a. Filtration system
- b. Vent-a-hood
- c. Gas masks
- d. Scavenging system

129. The proper technique for lifting a calm but heavy dog is:

- a. Place one arm under its back end and the other arm under its chest, bending at the knees and keeping the back straight.
 - b. Grasp the dog by the scruff of its neck and by its left hind leg and lift, using the weightlifter's "squat and jerk" technique.
 - c. Place one arm under the dog's neck and the other under its abdomen and lift gently to avoid personal injury.
 - d. Facing a second assistant with the dog between you, grasp your helper's wrists under the dog's body in a kind of human sling and lift, taking care to avoid the dog's teeth and claws.
130. Which of the following modes of sterilization may pose a cancer risk to the user?
- a. Liquid
 - b. Gas
 - c. Moist heat
 - d. Radiation
131. A restraint device that immobilizes a horse's legs is known as a:
- a. Cobble
 - b. Bobble
 - c. Hobble
 - d. Fobble
132. The needle most appropriate for administering vaccine to an 8-week old St. Bernard puppy is:
- a. 21 guage, 1 inch
 - b. 18 guage, 1 ½ inch
 - c. 25 gauge, ¼ inch
 - d. 30 gauge, ¼ inch
133. The syringe size most commonly used to administer routine vaccines in a small animal hospital is:
- a. 12cc
 - b. 3cc
 - c. 6cc
 - d. 20ml
134. The minimum time required to properly autoclave, by moist heat, stainless steel surgical instruments:
- a. 10 minutes
 - b. 30 minutes
 - c. less than 5 minutes
 - d. 1to 2 hours
135. When handling infected tissues such as abscesses, lacerations, tumors, and biopsy samples, you should always:
- a. Hold your breath
 - b. Wear radiation apron
 - c. Use metal tongs
 - d. Wear latex gloves
136. How many ounces in a pound?
- a. 4
 - b. 8

- c. 16
 - d. 32
137. The best urine sample to use for testing is the:
- a. Last urine of the evening before the animal goes to sleep
 - b. The first urine of the morning
 - c. The first urine following feeding
 - d. The first urine after a change in medication
138. Which is not a parenteral route of administration?
- a. IM
 - b. IV
 - c. SQ
 - d. Oral
139. In dealing with clients, the veterinary assistant should always be:
- a. Patient and courteous
 - b. Quick and to the point
 - c. Distant and very professional
 - d. Careful to avoid conversation
140. Which of the following statements most correctly identifies the greyhound?
- a. Belongs to the Sporting Group used for retrieving birds
 - b. Belongs to the Hound Group used for racing
 - c. Belongs to the Herding Group used for sheep herding
 - d. Belongs to the Working Group used to guard businesses
141. An increasingly popular and reasonably priced form of diagnostic imaging that poses a smaller health risk to users:
- a. X-ray
 - b. Cobalt radiation
 - c. Ultrasound
 - d. NMR imaging
142. Diseases and infections which may be transmitted from animals to humans are known as:
- a. Non-contagious
 - b. Benign
 - c. Zoonotic
 - d. Incubated
143. Which vaccine is not given to a dog?
- a. FIP
 - b. Parvo
 - c. Distemper
 - d. Parainfluenza
144. Which of the following duties would be inappropriate for the veterinary assistant to perform:
- a. Collect or obtain relevant information from the animal owner
 - b. Provide the animal owner with a probable diagnosis of the animal's condition
 - c. Discuss the charges and rationale for boarding costs with the animal owner
 - d. Post or record money collected to the appropriate place.
145. A horse with ears pinned back or a twitching tail may be

- a. Annoyed or hostile
 - b. Serene or contented
 - c. Hungry or thirsty
 - d. Weak and feverish
146. Exposure to harmful x-radiation can occur in all the following ways except:
- a. Cleaning around an x-ray machine that is not currently in use
 - b. Standing directly in the x-ray beam at the time of the x-ray
 - c. From scatter radiation released by a strong x-ray beam
 - d. From leaks or defects in the x-ray machine housing
147. A simple sugar, a monosaccharide in certain foodstuffs, especially fruit, and in normal blood the major source of energy for many living organisms:
- a. Protein
 - b. Carbohydrate
 - c. Lipid
 - d. Glucose
148. The most appropriate procedure for the disposal of used hypodermic needles would be:
- a. Clean and autoclave all used needles for re-use
 - b. Put used needles in any closed container for disposal
 - c. Wash the used needles and place in any convenient trash container
 - d. Place all used needles in the bio-hazardous sharps container
149. Urine cultures are best obtained from
- a. Free catch
 - b. A litter box sample
 - c. Cystocentesis
 - d. A blood sample
150. The number one type of restraint for cattle is the:
- a. Squeeze chute
 - b. Muzzle
 - c. Halter
 - d. Cattle prod
151. Swine are raised primarily for their:
- a. Looks
 - b. Fur
 - c. Meat
 - d. Milk
152. The primary advantage of gas sterilization is:
- a. It is safe for most equipment
 - b. It is safe for the operator
 - c. It is the least expensive method of sterilization
 - d. No special equipment is needed to use a gas sterilizer
153. An agent used to cause a loss of feeling or sensation:
- a. Anesthetic
 - b. Antibiotic
 - c. Diuretic
 - d. Vaccine

154. The best rule for a veterinary assistant to follow with respect to medications stored in a veterinary clinic is:
- Immediately dispose of all medications remaining after the initial administration
 - Never dispose of medications before the expiration date
 - Always dispose of medications after the expiration date
 - Never dispose of medications unless directed to do so by the veterinarian or supervising RVT
155. Which of the following would be considered a short-haired cat?
- Persian
 - Siamese
 - Himalayan
 - Maine Coon
156. Hydrotherapy is:
- The internal use of water to cleanse the animal's digestive tract.
 - The external use of water to treat disease and injury
 - The external use of water to clean the animal's coat
 - The internal use of water to replace electrolytes lost as a result of dehydration
157. Restraint equipment is least often used when handling which of these animals in a large animal veterinary practice?
- Horses
 - Cattle
 - Pigs
 - Sheep
158. Animals diagnosed or suspected of having a highly contagious disease are typically confined to the:
- Examination room
 - Isolation ward
 - Treatment room
 - Kennel
159. Matter excreted by the intestines the testing of which can determine the presence of parasites is know as ___(?)___ material.
- Cosmic
 - Facial
 - Cellular
 - Fecal
160. A tissue sample that is shown to be free of cancer cells by appropriate tests is said to be:
- Glandular
 - Carcinogenic
 - Anemic
 - Benign
161. Which of the following is not considered a danger or hazard in the examination room?
- Transmission of an infection
 - Animal falling or jumping from the exam table

- c. Stabs or punctures from a hypodermic needle
 - d. Slips and fall because of a dry floor
162. Which is the largest in size?
- a. Mouse
 - b. Guinea Pig
 - c. Hamster
 - d. Gerbil
163. Canned dog food typically contains about how much water?
- a. 20%
 - b. 50%
 - c. 70%
 - d. 90%
164. A clear, yellow or orange liquid produced by the liver, concentrated and stored in the gallbladder, and used in the digestive process:
- a. Urine
 - b. Bile
 - c. Plasma
 - d. Serum
165. A state in which the body loses more water than it takes in, resulting in a decrease in circulating blood volume and a reduction in tissue fluids:
- a. Malnutrition
 - b. Dehydration
 - c. Hydrotherapy
 - d. Shock
166. The following breeds are all used for beef production, except:
- a. Holstein
 - b. Hereford
 - c. Angus
 - d. Brahman
167. To eliminate or kill all microbes on an object or surface is to (?) it.
- a. Sterilize
 - b. Sanitize
 - c. Fanatcize
 - d. Excise
168. In the clinic, needles and blades are know as.
- a. Flats
 - b. Sharps
 - c. Steels
 - d. Rounds
169. Who should wear x-ray monitoring devices in the veterinary hospital.
- a. All veterinary assistants
 - b. Only licensed veterinarians
 - c. Everyone working in the clinic except the receptionist
 - d. Anyone who may work in taking or developing x-ray images

170. Determine the number of ounces in 708.75 g:

1 oz. = 28.35 g
16 oz. = 1 lb. 2.2
lbs. = 1 kg

- a. 25
 - b. 35
 - c. 50
 - d. 75
171. An example of a medication occasionally given rectally to seizing dogs is
- a. Amoxicillin
 - b. Valium
 - c. Xylazine
 - d. Heparin
172. These animals are very fast and can twist and maneuver easily, they have very sharp teeth and should be handled with minimal restraint:
- a. Ferrets
 - b. Rats
 - c. Hamsters
 - d. Rabbits
173. In the veterinary hospital, ultrasonic equipment is used to clean:
- a. Instruments
 - b. Anesthesia machines
 - c. Autoclaves
 - d. Windows
174. The biological entity containing DNA or RNA that must invade a host cell in order to survive and replicate is a:
- a. Parasite
 - b. Hookworm
 - c. Virus
 - d. Bacteria
175. Once daily pharmacy abbreviation
- a. SID
 - b. BID
 - c. TID
 - d. UPS
176. When handling Psittacines, you should
- a. Wear gloves
 - b. Dim the lights
 - c. Always sedate with xylazine
 - d. Hold the beak
177. A plant or animal that lives upon or within another living organism at whose expense it obtains some advantage:
- a. Bacteria
 - b. Tapeworm
 - c. Parasite

- d. Roundworm
178. Dips may be used to control
- a. Scabies
 - b. Fleas
 - c. Demodex
 - d. All of the above
179. Which of the following behaviors is not an acceptable means whereby the veterinary assistant can help the veterinarian
- a. Administer scheduled intravenous injections to hospitalized animals when the veterinarian is out on a house call.
 - b. Always be aware of what your clients mention in casual conversation about the patient and report important information to the veterinarian.
 - c. Be aware of any skin lesions, bumps, etc., that you may feel while handling or restraining an animal and report these to the veterinarian.
 - d. Let the veterinarian know if you observe vomiting, diarrhea, blood in the urine or feces, seizing, lethargy, or crying among animals in the kennel.
180. A highly fatal viral infection of the nervous system which affects all warm-blooded animal species. One of the most important zoonotic diseases because of the inevitably fatal outcome for the infected human.
- a. Rabies
 - b. Corona
 - c. Parvovirus
 - d. Scabies
181. To eliminate, deactivate or kill all microbes on an object or surface is to _(?)_.
- a. Sterilize
 - b. Santize
 - c. Fanaticize
 - d. Excise
182. One kilogram is equal to how many pounds?
- a. 1
 - b. 2.2
 - c. 10
 - d. cannot be calculated
183. When handling a horse, the safest place to stand is:
- a. Directly behind the horse
 - b. Directly in front of the horse
 - c. Beside the right flank
 - d. Beside the left shoulder
184. Indicating the administration of medication within the principle layer of skin, between the epidermis and the subcutaneous tissue:
- a. IV
 - b. IM
 - c. IS
 - d. ID
185. Surgical excision of the ovaries and the uterus.
- a. Never occurs at the same time

- b. Neuter
 - c. OHE
 - d. Castration
186. Which of the following animals is an amphibian?
- a. Iguana
 - b. Snake
 - c. Turtle
 - d. Frog
187. Which of the following is a chemical substance, produced by a microorganism, that has the capacity, in dilute solutions, to kill or inhibit the growth of other microorganisms?
- a. Hormone
 - b. Toxin
 - c. Antibiotic
 - d. Carcinogen
188. A monitoring device worn to measure the amount of scattered radiation received is called a:
- a. Dosimeter
 - b. Odometer
 - c. Pedometer
 - d. Thermometer
189. TID means
- a. Three times daily
 - b. Two times daily
 - c. One time daily
 - d. Four times daily
190. The opposite of dorsal is
- a. Medial
 - b. Lateral
 - c. Anterior
 - d. Ventral
191. An Appaloosa is a
- a. Breed of cat
 - b. Breed of dog
 - c. Breed of pig
 - d. Breed of horse
192. A vessel through which blood passes away from the heart to the various parts of the body:
- a. Vein
 - b. Capillary
 - c. Artery
 - d. Cardiac
193. Which of the following items should not be placed in the sharps container:
- a. Syringe
 - b. Scalpel blade
 - c. Microscope cover slip

- d. Needle
194. Which describes a Hereford?
- a. No tail
 - b. Black body
 - c. White face
 - d. Dairy breed
195. Proper restraint of an animal usually involves
- a. Sedatives
 - b. Certification
 - c. Maximum restraint
 - d. The least amount of restraint necessary
196. Animals with chronic kidney problems should receive a diet that is:
- a. Relatively low in protein
 - b. Relatively high in fat
 - c. Relatively high in protein
 - d. Relatively high in fat and protein
197. A dairy cow will often drink how much water per day?
- a. 1 gallon
 - b. 5 gallons
 - c. 20 gallons
 - d. 45 or more gallons
198. Excision of the testicles or their destruction by radiation or parasites:
- a. Spay
 - b. Intubation
 - c. Castration
 - d. Ovariohysterectomy
199. Directed toward or situated on the belly surface:
- a. Ventral
 - b. Dorsal
 - c. Lateral
 - d. Caudal
200. An iguana is typically 7-12 inches long at birth, but in adulthood may reach a length of:
- a. More than 10 feet
 - b. Six feet
 - c. Four feet
 - d. Two feet
201. If you are in the kennel and notice an animal with vomiting; diarrhea; or blood in the urine; you should immediately:
- a. Tell the veterinarian
 - b. Call 911
 - c. Put the animal in isolation
 - d. remove its food and give it a fresh blanket
202. Which of the following might pose a risk to human pregnancy?
- a. X-rays
 - b. Anesthetic gases

- c. Heavy lifting
 - d. All of the above
203. Body parts removed during surgery or other treatment should be:
- a. Put into a sealable plastic bag and placed in the freezer
 - b. Run through a dispose-all and flushed down the drain
 - c. Put into a bag clearly marked "bio-hazard" and placed in the trash dumpster
 - d. Placed in a box under the cabinet for later collection
204. Autoclaving equipment is designed to:
- a. Kill only bacteria
 - b. Kill only viruses
 - c. Kill only spores
 - d. Kill all infectious life forms
205. A good example of dual-purpose cattle breed is the:
- a. Shorthorn
 - b. Holstein
 - c. Charolais
 - d. Angus
206. The common name for *Dirofilaria immitis* is
- a. Hoodworm
 - b. Roundworm
 - c. Heartworm
 - d. Mange
207. The following statements about animal diseases are all correct except:
- a. Skunks, raccoons, bats, foxes, and coyotes are wild creatures and, as such, have natural immunity to Rabies and never get the disease.
 - b. Some cats can have the feline leukemia virus in their bodies, but never get sick
 - c. The parvo organism can live in the ideal environment for months.
 - d. Feline Distemper and Infectious Feline Enteritis are other names for the disease known as Panleukopenia.
208. Which of the following is not a common exotic pet in America:
- a. Chincillas
 - b. Hedgehogs
 - c. Ferrets
 - d. Koala bears
209. When lifting an animal one should remember to always lift with the:
- a. Arms
 - b. Legs
 - c. Shoulders
 - d. Back
210. Which of the following is not generally associated with bathing a dog?
- a. Expressing the anal sacs
 - b. Trimming the nails
 - c. Applying eye lubricant
 - d. Taking a urine sample