

TEST NAME: Vet Assisting Final Review
TEST ID: 3018524
GRADE: 09 - Ninth Grade - 12 - Twelfth Grade
SUBJECT: Agriculture and Renewable Natural Resources
TEST CATEGORY: School Assessment

Student: _____

Class: _____

Date: _____

1. A surgery pack should **always** include:
 - A gauze sponges.
 - B hard bristle brushes.
 - C surgical scrub.
 - D surgical gloves.

2. Which describes collecting urine as the animal is urinating midstream?
 - A Catheterization
 - B Cystocentesis
 - C Seriological test
 - D Voided sample

3. The veterinarian requests a venipuncture in the medial aspect of the front limbs for a:
 - A cephalic venipuncture.
 - B jugular venipuncture.
 - C saphenous venipuncture.
 - D dorsal venipuncture.

4. The palpebral reflex is shown by:
 - A tapping finger over the eyelid.
 - B brief disorientation.
 - C pinching skin between digits.
 - D movement of the hand in response to stimuli.

5. Appointments such as physical exams that are scheduled in the book are:
- A. routine.
 - B. emergency.
 - C. walk-in.
 - D. drop-off.
6. Why does a veterinary assistant talk to the animal, make calming noises, or lightly blow in the animal's face during a procedure?
- A. Make the animal mad
 - B. Relieve the pain of the procedure
 - C. Create a diversion from the procedure
 - D. Reinforce the flight impulse
7. Holding an animal back and keeping the animal under control is known as:
- A. restraint.
 - B. controlling.
 - C. coercion.
 - D. restriction.
8. When euthanasia is necessary, the veterinary assistant should:
- A. recommend a new puppy as soon as the animal is "asleep."
 - B. place cadaver bags in the room with the client.
 - C. tell his/her friends about the dog he/she helped euthanize.
 - D. be supportive and remember client confidentiality.

9. AD is entered into the medical record when referring to:
- A left ear.
 - B left eye.
 - C right ear.
 - D right eye.
10. Which emotion is often expressed when dealing with the sudden death of a pet?
- A Guilt
 - B Relief
 - C Shock
 - D Peace
11. What term means bottom of the front feet?
- A Plantar
 - B Palmar
 - C Rostral
 - D Dorsal
12. Contagious particles that are spread through the environment and can only live inside a host cell are:
- A bacteria.
 - B fungi.
 - C protozoa.
 - D viruses.

13. How many cells having half the chromosomes of the original parent cell are produced by cytokinesis in meiosis II?
- A. 1
 - B. 2
 - C. 3
 - D. 4
14. A simple procedure that veterinary staff can perform to reduce the spread of disease in the animal hospital is to:
- A. mop the surgery room floors every other week.
 - B. require clients to wear masks when dropping off patients.
 - C. wash their hands frequently.
 - D. put on multiple layers of clothing.
15. Blood collection tubes that contain EDTA as the anticoagulant are:
- A. red-top.
 - B. gray-top.
 - C. lavender-top.
 - D. tiger stripe top.
16. The purpose of a radiology film cassette is to:
- A. keep dust off the film.
 - B. prevent exposure of the film to light.
 - C. allow light to penetrate the film.
 - D. hang the film in developing solution.

17. Which species does sheep belong to?
- A. Bovine
 - B. Porcine
 - C. Caprine
 - D. Ovine
18. Blood collection tubes that are sterile or do **not** contain anticoagulant but have a gel separator are:
- A. red topped.
 - B. tiger-stripe topped.
 - C. lavender topped.
 - D. green topped.
19. When the veterinary assistant files radiographic film, he/she should store it:
- A. in the same manner as medical records.
 - B. in a darkroom.
 - C. in the fixer tank of the developer.
 - D. in the wash tank of the developer.
20. The veterinary assistant uses nose tongs to apply pressure to the nostrils of:
- A. cattle.
 - B. dogs.
 - C. horses.
 - D. cats.

21. Which abbreviation does the veterinary assistant use for month?
- A. M
 - B. M
 - C. Mo
 - D. NM
22. Which type of appointment scheduling allows a veterinarian to see a total number of patients within a set amount of time?
- A. Wave
 - B. Flow
 - C. Fixed office
 - D. Emergency only
23. Single-celled organisms that can be beneficial or pathogenic and cause disease are:
- A. viruses.
 - B. protozoa.
 - C. bacteria.
 - D. fungi.
24. Surgical appointments are typically kept:
- A. scheduled in a separate book.
 - B. with the schedule of physical exams.
 - C. in the book with vaccinations.
 - D. in the book with sick patient exams.

25. The acronym VCPR establishes the following criteria:
- A. veterinarian does not assume responsibility for the patient's health.
 - B. veterinarian does not claim to have sufficient knowledge of animal species.
 - C. veterinarian may treat patient regardless of client wishes.
 - D. veterinarian can make judgments regarding health, diagnosis, and treatment.
26. The purpose of a fecal sample is to:
- A. diagnose external parasites.
 - B. diagnose internal parasites.
 - C. diagnose urinary infections.
 - D. diagnose the serum.
27. The dosimeter measures:
- A. sound waves.
 - B. endoscope waves.
 - C. radiation exposure.
 - D. ultrasonic exposure.
28. When an animal's body responds to an injury with pain, swelling, or redness, the animal is exhibiting:
- A. inflammation.
 - B. trauma.
 - C. tumors.
 - D. heart disease.

29. The **most** important characteristic of a darkroom is that it:
- A. uses only sunlight.
 - B. uses fluorescent lighting.
 - C. uses halogen lighting.
 - D. is free of light leaks.
30. The prefix in endothermic is defined as:
- A. body temperature.
 - B. within.
 - C. outside.
 - D. heat.
31. The device that is placed in the esophagus next to the endotracheal tube that emits the sound of the heartbeat is known as the:
- A. blood pressure monitor.
 - B. esophageal stethoscope.
 - C. pulse oximeter.
 - D. flowmeter.
32. Placing an animal on its stomach is also referred to as:
- A. LAT.
 - B. V-D.
 - C. D-V.
 - D. AP.

33. Keeping an animal in a comfortable sitting position for ease of completing a procedure uses:
- A. sternal recumbency.
 - B. standing restraint.
 - C. lateral recumbency.
 - D. sitting restraint.
34. Which can legally write a prescription for the patient?
- A. Veterinary technician
 - B. Veterinarian
 - C. Veterinary assistant
 - D. Kennel assistant
35. Which is a presurgery instruction that should be given to a client when scheduling a surgery appointment?
- A. Give the animal free access to water up to 4 hours before surgery.
 - B. Feed the animal at least 30 minutes before surgery.
 - C. Bring any medications currently prescribed.
 - D. Waive the surgery release form for the sake of time.
36. The consent form is used to:
- A. retain confidentiality.
 - B. identify to the client all procedures and prices incurred.
 - C. identify the client's legal rights.
 - D. retain the animal until payment is received.

37. Solutions that destroy microorganisms or inhibit their growth on living tissues are:
- A. launders.
 - B. antiseptics.
 - C. sterilizers.
 - D. anesthesia.
38. Which provides a chronological log for each time the patient is seen and treatment is completed?
- A. Confidentiality statement
 - B. Radiology report
 - C. Progress notes
 - D. Anesthesia report
39. Radiopaque may indicate the presence of hard tissue by appearing:
- A. black to dark gray in color.
 - B. white to light gray in color.
 - C. red to orange in color.
 - D. green to blue in color.
40. The cell division in which each daughter cell is identical to the original cell is known as:
- A. metaphase.
 - B. meiosis.
 - C. telophase.
 - D. mitosis.

41. When each daughter cell is unique and has half the number of chromosomes the cell division is known as:
- A. mitosis.
 - B. meiosis.
 - C. histology.
 - D. interphase.
42. Which member of the veterinary staff is typically responsible for recording information in medical records?
- A. Veterinary assistant
 - B. Veterinarian
 - C. Office manager
 - D. Veterinary technician
43. A person who exemplifies being helpful and understanding is demonstrating:
- A. kindness.
 - B. patience.
 - C. sympathy.
 - D. empathy.
44. A half hitch is used:
- A. to secure an animal with multiple pieces of rope.
 - B. to secure an animal to a surgery table.
 - C. to easily be untied.
 - D. as a slipknot.

45. Which appointment type is **least** suited for a drop-off appointment?
- A. Grooming
 - B. Surgery
 - C. Routine appointment
 - D. Emergencies
46. A potential legal issue that can occur with animal safety is:
- A. allowing the veterinary assistant to restrain animals.
 - B. allowing only the veterinarian to restrain animals.
 - C. allowing nonveterinary staff to restrain animals.
 - D. allowing only the veterinary technician to restrain animals.
47. Appointment cards are used to:
- A. serve as a written reminder for the client.
 - B. serve as a legal document.
 - C. remind the client of how much they owe.
 - D. keep the client coming back.
48. As a means of sanitation, disinfecting means:
- A. physically removing all visible signs of dirt or organic matter.
 - B. destroying most microorganisms on nonliving things by physical or chemical means.
 - C. using chemicals to destroy all microorganisms and viruses on an object.
 - D. removing a few of the signs of dirt or debris.

49. The suffix term that means to create a new surgical opening or incision is:
- A. graphy.
 - B. pexy.
 - C. stomy.
 - D. ectomy.
50. The twitch restraint device is attached to the horse's:
- A. nose.
 - B. upper lip.
 - C. lower lip.
 - D. ear.
51. Using dry heat to prevent the spread of disease when sterilizing requires items to be:
- A. burned to ashes.
 - B. cleaned fully.
 - C. put under steam and pressure.
 - D. exposed to ultraviolet rays.
52. After laboratory results are read, the information should be entered:
- A. in the kennel notebook.
 - B. in the patient's file.
 - C. in the radiology file.
 - D. in the surgery notes.

53. What is the **most** common appointment time interval used in veterinary hospitals?
- A. 10 minutes
 - B. 15 minutes
 - C. 20 minutes
 - D. 30 minutes
54. In order to determine the correct needle size, the veterinary assistant needs to:
- A. determine the patient's size, the thickness of the solution to be used, and the rate of injection.
 - B. determine the amount of medication to be given to the patient in one injection.
 - C. determine the time the medication is to be given in the day.
 - D. determine the number of times the medication is to be given to the patient.
55. The jugular vein is located on:
- A. the front limb.
 - B. the rear limb.
 - C. the right ear.
 - D. either side of the neck.
56. What is the primary reason a veterinary assistant takes the vital signs of an animal?
- A. Properly interact with the animals
 - B. Show what skills the assistant has learned
 - C. Assess the basic functions of the body
 - D. Show normal behaviors the animal exhibits

57. Which material is the **best** choice for Sarah to use as a muzzle?
- A. Chain
 - B. Barbed wire
 - C. Nylon
 - D. Towel
58. One of the **most** important safety protocols to remember when expressing a dog's anal glands is to:
- A. hold its tail down.
 - B. wear gloves.
 - C. push as hard as one can to express the glands.
 - D. place the dog on its back.
59. A veterinary assistant records notes in a medical record using the acronym SOAP as a guide. The notes for "P" would **most likely** include information about the:
- A. pedigree of the animal.
 - B. potential of the animal.
 - C. history of the animal's treatment.
 - D. treatment plan for the animal.
60. The actual picture taken of bones is a/an:
- A. X-ray.
 - B. radiograph.
 - C. electrocardiograph.
 - D. gamma ray.

61. Signs of pain include:
- A. sleeping soundly.
 - B. urination.
 - C. whining or vocalization.
 - D. moving around normally.
62. When manually developing radiology film, one maintains the life of the film by:
- A. leaving the film in developer solution.
 - B. washing the film with distilled water.
 - C. hanging the film in fixer solution.
 - D. spraying the film with shellac.
63. The **first** step in gowning the surgeon and assistants is:
- A. don mask, cap, hair cover, and boot covers.
 - B. perform surgical scrub.
 - C. dry hands.
 - D. apply gown.
64. The purpose of a soda lime canister in the anesthesia machine is:
- A. to release excess gas.
 - B. not known.
 - C. to capture condensation.
 - D. to absorb carbon dioxide.
65. How long are many states required to keep medical records?
- A. 3 years
 - B. 5 years
 - C. 7 years
 - D. 10 years

66. Using chemicals and/or heat under pressure to destroy all microorganisms and viruses on an object is known as:
- A. cleaning.
 - B. isolating.
 - C. sterilizing.
 - D. disinfecting.
67. When a person puts someone else's needs and concerns **before** his/her own, that person is exhibiting:
- A. sympathy.
 - B. empathy.
 - C. kindness.
 - D. courtesy.
68. Organisms that feed off a host or infected animals are:
- A. parasites.
 - B. biting insects.
 - C. fungi.
 - D. viruses.
69. When using halters or leads, the animals typically are:
- A. large.
 - B. cats.
 - C. small.
 - D. amphibians.

70. Humane treatment of animals is based on:
- A. what is acceptable by people.
 - B. what the animal can tolerate.
 - C. how the animal views the world.
 - D. how the animal treats other animals.
71. If a person cannot accept the loss of a pet, they may experience the emotion of:
- A. denial.
 - B. joy.
 - C. happiness.
 - D. excitement.
72. The veterinary assistant scruffs the cat with one hand while in lateral recumbency, and uses the free hand to pull the rear limbs to:
- A. perform a cat stretch technique.
 - B. perform a cephalic venipuncture.
 - C. perform a saphenous venipuncture.
 - D. perform the cat in the bag technique.
73. Laboratory log books should be kept in:
- A. a file cabinet in the storage room.
 - B. the kennel.
 - C. a three-ring binder.
 - D. the surgical suite.

74. The member of the veterinary staff that is responsible for interpreting the lab results is the:
- A. veterinarian.
 - B. veterinary technician.
 - C. kennel worker.
 - D. veterinary assistant.
75. What type of communication involves the interaction between people by body language and without the use of spoken words?
- A. Verbal
 - B. Written
 - C. Nonverbal
 - D. Technological
76. Which is **most** accurate when describing the medical records of animals?
- A. Records are considered public information since only human medical records are confidential.
 - B. Records may be shared with other clients who have animals with similar symptoms.
 - C. Records may be shared with anyone associated with the veterinary practice.
 - D. Records may be shared for veterinary care with the client's approval.
77. The basic care and covering of the microscope when it is **not** in use is the primary role of the:
- A. veterinarian.
 - B. veterinary assistant.
 - C. custodian.
 - D. manufacturer.

78. Dental prophylaxis is performed in **most** offices by the:
- A. veterinary technician.
 - B. veterinary assistant.
 - C. veterinarian.
 - D. kennel assistant.
79. When considering animal safety, veterinary staff should remember:
- A. to allow visitors to handle all animals when visiting the clinic.
 - B. not to be concerned with animal age.
 - C. it is only important with vicious animals.
 - D. animals not accustomed to humans will be stressed.
80. Which is **most** true about recording laboratory results?
- A. Only recorded if the veterinarian requests them
 - B. Recorded in the blood chemistry machine
 - C. Must be recorded in a separate computer file
 - D. Must be recorded in the patient's medical record
81. Sutures used in surgery that can be broken down within the body are known as:
- A. cat sutures.
 - B. nonabsorbable.
 - C. dog sutures.
 - D. absorbable.
82. Placing the animal on either its left or right side for restraint is:
- A. sternal recumbency.
 - B. lateral recumbency.
 - C. dorsal recumbency.
 - D. standing position.

83. Blood work done **before** surgery is known as:
- A. preanesthetic.
 - B. postanesthetic.
 - C. postsurgery.
 - D. physicals.
84. When contagious patients are kept away from all healthy patients, they are placed in:
- A. the regular kennel.
 - B. isolation.
 - C. a sterile facility.
 - D. the front cages.
85. Permanent fixtures in the surgical suite must be cleaned:
- A. daily.
 - B. monthly.
 - C. weekly.
 - D. yearly.
86. When checking for the morphology of blood cells, it is **best** to use:
- A. a blood smear.
 - B. blood chemistry analyzers.
 - C. complete blood count.
 - D. packed cell volume.

87. Radiology film developing that takes longer, but is less expensive is:
- A. automatic.
 - B. autonomic.
 - C. digital radiography.
 - D. manual.
88. On the radiological film, one should include:
- A. a directional label.
 - B. the name of the person who took the film.
 - C. how long the film was processed.
 - D. an OSHA stamp.
89. A sedative or tranquilizer is used:
- A. to keep an animal calm during stressful procedures.
 - B. every time an animal comes into the veterinary hospital.
 - C. after the animal is asleep.
 - D. only for uncontrollable animals.
90. What is the **most** common type of appointment schedule used in veterinary hospitals?
- A. Fixed office hours
 - B. Wave schedule
 - C. Surgery schedule
 - D. Flow schedule

91. What symptoms does an animal exhibit if the veterinarian records that the animal is lethargic?
- A. Tired or inactive
 - B. Blood in urine
 - C. Increased urination
 - D. Increased thirst
92. What part of the SOAP acronym represents the animal's temperature and heart rate?
- A. Subjective
 - B. Objective
 - C. Assessment
 - D. Plan
93. The surgical logbook should include:
- A. fecal sample results.
 - B. anesthesia used.
 - C. food intake.
 - D. postoperative recovery stages.
94. Auscultation is done using a:
- A. microscope.
 - B. telescope.
 - C. stethoscope.
 - D. sphygmomanometer.

95. It is important for clients to cancel appointments within:
- A. 72 hours
 - B. 48 hours
 - C. 36 hours
 - D. 24 hours
96. Anal glands are located on either side of the:
- A. rectum.
 - B. stomach.
 - C. shoulder.
 - D. brain.
97. Standing restraint is **best** used:
- A. to keep the animal resting.
 - B. to prevent the animal from lying down.
 - C. to put the animal on its chest.
 - D. to put the animal on its side.
98. Upon inspection of a fecal sample, the veterinary assistant notices eggs that are circular with dark, circular centers. She suspects they are:
- A. roundworms.
 - B. hookworms.
 - C. tapeworms.
 - D. whipworms.
99. When viewing the refractometer, the veterinary assistant should:
- A. shake it gently.
 - B. swirl it from side to side.
 - C. keep it in the dark.
 - D. hold it to the light.

100. Legal information required on a prescription label includes:
- A. breed of animal.
 - B. telephone number of client.
 - C. medication name.
 - D. patent year of medication.
101. Information on the veterinary medical record should be recorded in:
- A. red ink.
 - B. pencil.
 - C. purple ink.
 - D. black ink.
102. Ilene requests her veterinary assistant to prepare for a cystocentesis. What procedure is she referring to?
- A. Surgical puncture into the urinary bladder
 - B. Puncture into the rectum
 - C. Removing the ovaries and uterus
 - D. Creating a new surgical opening into the urinary bladder
103. Why is body language important in communication?
- A. Keeps e-mails from being misunderstood
 - B. Allows one to shorten text messages
 - C. Tells how a person feels
 - D. Keeps written thoughts organized

104. The **most** difficult small animals to restrain when they become upset and aggressive from stress are:
- A. fish.
 - B. cats.
 - C. dogs.
 - D. sheep.
105. Which type of appointment scheduling is based on every patient being seen at a specific time or interval?
- A. Wave
 - B. Flow
 - C. Fixed office
 - D. Emergency only
106. Which is a tool used to measure the weight of a liquid and determine a liquid's pH level in the veterinary facility?
- A. Centrifuge
 - B. Refractometer
 - C. Microscope
 - D. Blood chemistry analyzer
107. Picking up the gloves by using the gown sleeves so skin does **not** contact the outside of the gloves is known as:
- A. open gloving.
 - B. closed gloving.
 - C. assistant gloving.
 - D. veterinarian gloving.

108. Aggression, biting, growling, house soiling, and destructive behaviors are common abnormal behaviors of:
- A. cats.
 - B. sheep.
 - C. dogs.
 - D. rabbits.
109. Veterinary staff should consider safety when handling young animals because:
- A. they may be arthritic.
 - B. they may have small and brittle bones.
 - C. they are always calm.
 - D. they are the most territorial.
110. The **best** way to administer oral medication is by:
- A. applying it to the ear.
 - B. using a gloved hand.
 - C. applying it to the eye.
 - D. using a pet piller or balling gun.
111. Anemia can occur with flea bites because:
- A. the animal scratches too much.
 - B. the flea embeds itself into the circulatory system.
 - C. there is a loss of blood.
 - D. the flea enters the intestine.

112. Speech communication may not come easy to an individual, but it may be mastered through experience and:
- A the computer.
 - B practice.
 - C empathy.
 - D texting.
113. Which emotion will an owner **most likely** experience after the loss of a animal they love?
- A Grief
 - B Excitement
 - C Joy
 - D Happiness
114. Intranasal injections are given to an animal by:
- A placing drops in the nose.
 - B placing injections in the muscle.
 - C placing drops in the eye.
 - D placing injections in the skin.
115. Number of x-ray beams passed in a time is:
- A mA.
 - B kVp.
 - C LAT.
 - D AP.

116. Towards the nose is known as:
- A proximal.
 - B distal.
 - C rostral.
 - D medial.
117. The gown pack provided for surgery:
- A can be opened normally.
 - B must be opened maintaining sterility.
 - C must be done by the assistant.
 - D must be done after surgery.
118. Nosocomial infection occurs when:
- A a human causes the spread of disease.
 - B a tick bites an animal.
 - C a rabbit eats its feces.
 - D parasites infect animals.
119. Which is an emergency appointment?
- A Prescription refill
 - B Vaccination
 - C Deworming
 - D Hit by car
120. The **first** and **most** noticeable part of the medical record should be:
- A client and patient information sheet.
 - B price list of all medical procedures available.
 - C progress notes.
 - D lab reports.

121. Which describes a noncancerous tumor?
- A. Malignant
 - B. Cancer-like
 - C. Benign
 - D. Infection
122. The scalpel blade should be used with the:
- A. towel clamp.
 - B. handle.
 - C. needle holder.
 - D. scissors.
123. The veterinary assistant obtains a squeeze cage to use with:
- A. Great Danes.
 - B. horses.
 - C. goats.
 - D. small animals.
124. When educating a client, the veterinary assistant should:
- A. show the client where the medication came from.
 - B. tell the client how long the medication has been patented.
 - C. show the client how to use the medication.
 - D. tell the client how to find the medication if lost.
125. Which component of the communication process relays an idea?
- A. Sender
 - B. Message
 - C. Channel
 - D. Feedback

126. In order for a veterinarian in N.C. to write a legal prescription, he/she must have examined the patient within the last:
- A. 3 months.
 - B. 6 months.
 - C. 9 months.
 - D. 12 months.
127. If a veterinary assistant ties one to two pieces of rope material using various knots, he/she is **most likely** planning to:
- A. permanently restrain an animal.
 - B. temporarily restrain an animal.
 - C. beat the animal into submission.
 - D. tie up the client until the procedure is finished.
128. The veterinary assistant is asked to retrieve a towel for the veterinarian to restrain a:
- A. large animal.
 - B. small animal.
 - C. horse.
 - D. sheep.
129. The **best** way to ensure exam room sanitation is to:
- A. randomly clean anything that needs it.
 - B. stagger cleaning of each room so that each room is cleaned every other week.
 - C. empty the trash can once a month.
 - D. start cleaning at a certain point and move clockwise around the room.

130. Open gloving is accomplished by:
- A. picking up and placing one's gloves so that the outside of the gloves do not contact the skin.
 - B. picking up one's gloves by using the gown sleeves so that the skin does not contact the gloves.
 - C. picking up and placing one's gloves so that the inside of the gloves do not contact the skin.
 - D. having someone else who is already wearing gloves put on the gloves.
131. Which is true of tapeworms?
- A. Flatworms that have individual parts that grow
 - B. Worms that have a whip-like shape
 - C. Round-like worms with large segments
 - D. Worms with a teeth-like structure
132. The term for blood in the urine is:
- A. uritis.
 - B. hematuria.
 - C. cystocentesis.
 - D. polyuria.
133. Which procedure involves transferring a small amount of the fecal sample onto the microscope slide?
- A. Fecal float
 - B. Gross observation
 - C. Fecal smear
 - D. Obtaining a sample

134. The abbreviation for prognosis is:
- A. Hx.
 - B. Sx.
 - C. Px.
 - D. PE.
135. The ceiling in the surgical suite needs to be:
- A. mopped daily.
 - B. spot cleaned once per week.
 - C. disinfected hourly.
 - D. mopped once per week.
136. A rabies certificate is issued:
- A. before the pet has received its rabies vaccine.
 - B. after all puppy vaccines are given.
 - C. after the pet has received its rabies vaccine.
 - D. only when requested.
137. What is the difference between controlled and over-the-counter drugs?
- A. Controlled drugs must be legally locked behind two locks.
 - B. Over-the-counter drugs have a high abuse potential.
 - C. Controlled drugs can be purchased by anyone at any time.
 - D. Over-the-counter drugs must be prescribed by a veterinarian.

138. Which diagnostic imaging procedure bounces sound waves off the patient to create an echo within the tissues that is projected to a screen?
- A. Endoscopy
 - B. Radiograph
 - C. Dosimeter test
 - D. Ultrasound
139. The safety of animal and staff must be considered:
- A. every time restraint is necessary.
 - B. only with small animals.
 - C. only with large animals.
 - D. only with older animals.
140. Which laboratory procedure observes color change and growth during the 4–6 week test period?
- A. Gram stain
 - B. Necropsy
 - C. Culture and sensitivity
 - D. Fecal float
141. An appointment schedule where a veterinary hospital has office hours listed, and clients are seen as they arrive is known as:
- A. wave.
 - B. flow.
 - C. fixed office.
 - D. emergency only.

142. Lead aprons, gloves, and shields are personal protective equipment needed when using:
- A. radiography.
 - B. endoscopy.
 - C. ultrasound diagnostics.
 - D. sound waves.
143. What makes the square knot one of the **most** common knots used on rope for restraining animals?
- A. It chokes the animal when the animal pulls against it.
 - B. It easily slips up and down the rope for easier positioning.
 - C. It works great with a stationary object like a pole.
 - D. It does not come untied or slip on the rope.
144. When storing medications in a veterinary clinic, it is important to:
- A. store medicines in random order.
 - B. store medicines by frequency of use.
 - C. store medicines in alphabetical order.
 - D. store medicines in direct sunlight.
145. The acronym HBC stands for:
- A. has bad cold.
 - B. hit by car.
 - C. happy bold content.
 - D. has brown crown.

146. Prior to surgery, the veterinary assistant should:
- A. insert the IV.
 - B. open the surgical pack.
 - C. clip the surgical area.
 - D. clean the patient's teeth.
147. The ultimate responsibility of laboratory results rests on the:
- A. veterinary assistant.
 - B. veterinary technician.
 - C. kennel worker.
 - D. veterinarian.
148. Worms that live in the large intestine and leave football-shaped eggs in the feces are:
- A. hookworms.
 - B. whipworms.
 - C. roundworms.
 - D. heartworms.
149. Which component of the communication process refers to the route in which the message is sent?
- A. Sender
 - B. Channel
 - C. Feedback
 - D. Receiver

150. A young mammal kneading its paws on its mother's mammary glands is an example of:
- A. learned behavior.
 - B. conditioning.
 - C. modeling.
 - D. instinctive behavior.
151. What tissue holds and supports body structures, such as tendons and ligaments?
- A. Epithelial
 - B. Muscular
 - C. Connective
 - D. Nervous
152. Nonsterile items used in surgery include the:
- A. scrub pack.
 - B. surgical scrub.
 - C. gown pack.
 - D. hair cover or cap.
153. Which federal agency is responsible for regulating controlled substances?
- A. Food and Drug Administration
 - B. Animal Welfare Administration
 - C. Drug Enforcement Agency
 - D. Occupational Safety and Health Administration

154. Which drip delivers 15 drops of fluid per milliliter?
- A. Standard drip
 - B. IV drip
 - C. Macro drip
 - D. Micro drip
155. To properly calibrate the refractometer, the veterinary assistant uses:
- A. distilled water.
 - B. tap water.
 - C. spring water.
 - D. rubbing alcohol.
156. Intramuscular injections are given to an animal by:
- A. placing drops in the nose.
 - B. placing injections in the muscle.
 - C. placing drops in the eye.
 - D. placing injections in the skin.
157. The **last** phase of anesthesia induction is:
- A. when the drug is given to make animal sleep and remain unconscious.
 - B. blink reflex.
 - C. intubation.
 - D. taking the blood sample.

158. A microscope slide should **first** be viewed at the _____ objective.
- A. highest
 - B. middle
 - C. lowest
 - D. oil-immersion
159. Which restraint equipment is commonly used for dogs, cats, and horses?
- A. Towels
 - B. Squeeze cages
 - C. Twitch
 - D. Muzzle
160. When should a cage card be used?
- A. Only when boarding an animal
 - B. Only when 2 animals look alike
 - C. Anytime an animal is left at the hospital
 - D. At the owner's request
161. TPR and BP during anesthesia should be taken every:
- A. hour.
 - B. 5 minutes.
 - C. $\frac{1}{2}$ hour.
 - D. minute.

162. Communication involves many components and one is being able to hear and clearly understand what the other person is saying through good:
- A. speaking.
 - B. emphasis.
 - C. listening.
 - D. observation.
163. The process in which substances found in lower concentration areas will be moved to higher concentration areas is known as:
- A. anabolism.
 - B. active transport.
 - C. catabolism.
 - D. diffusion.
164. A commonly used contrast medium to fluoresce parts of the digestive system is:
- A. mercury.
 - B. oxygen.
 - C. sodium chloride.
 - D. barium sulfate.
165. The device used to measure the thickness of a body part is known as a:
- A. radiology measurer.
 - B. diameter tape.
 - C. pair of calipers.
 - D. compressor.

166. Rickettsial diseases are spread by:
- A. fungi.
 - B. biting insects.
 - C. viruses.
 - D. bacteria.
167. When the trainer gives a reward for coming to a clicker sound, it is known as:
- A. instinctive behavior.
 - B. conditioning.
 - C. demonstrating.
 - D. imprinting.
168. When Kim, veterinary assistant, records color and consistency along with the types of eggs observed under magnification, she is **most likely** performing a:
- A. Gram stain.
 - B. necropsy.
 - C. culture and sensitivity.
 - D. fecal float.
169. Which is true of using an autoclave for sterilization?
- A. It uses ultraviolet rays.
 - B. Objects are exposed to heat and steam under pressure.
 - C. It kills 80% of all living organisms on a surface.
 - D. Ashes must be removed from the autoclave after each use.

170. Which species does a frog belong to?
- A. Terrapin
 - B. Reptile
 - C. Avian
 - D. Amphibian
171. The smaller tubes used in a centrifuge are:
- A. red topped.
 - B. microhematocrit.
 - C. yellow topped.
 - D. standard small.
172. Single-celled parasites that may survive in or out of the body and feed off of dead or decaying material are:
- A. rickettsial.
 - B. fungi.
 - C. protozoal.
 - D. bacteria.
173. A piece of medical equipment used for basic testing procedures and diagnosing problems is the:
- A. centrifuge.
 - B. refractometer.
 - C. microscope.
 - D. blood chemistry analyzer.

174. The suffix in hypocalcemia means related to:
- A. blood.
 - B. low.
 - C. calcium.
 - D. heart.
175. What does PO stand for in a prescription that reads 150 mg PO BID x 14 days?
- A. Amount of prescription
 - B. How often given
 - C. Route of administration
 - D. Length of time
176. What are the main reasons animals are restrained at the veterinary clinic?
- A. To prevent people from hurting the animals
 - B. To establish territory and show who is boss
 - C. To maintain safety of the animal and workers
 - D. To keep other animals under control
177. Blood chemistry analyzers may use:
- A. water only.
 - B. serum.
 - C. feces.
 - D. electrolytes.

178. When an error is made while recording in a medical record, one should:
- A. tear out that portion of the record and remove it from the file.
 - B. place a single line through the error, initial it, and follow with correct information.
 - C. hide the error with a dark marker like a sharpie and pretend it didn't happen.
 - D. erase the error as much as possible, and then use "white-out" to cover what would not erase.
179. Recumbency is entered into the medical record when the animal is in what position?
- A. Lying
 - B. Sitting
 - C. Standing
 - D. Jumping
180. Which animals tend to be arthritic and in pain and should be handled with extra care?
- A. Young animals
 - B. Puppies
 - C. Older animals
 - D. Adolescents
181. Sternal recumbency is a method of restraint that places an animal on its:
- A. side.
 - B. back.
 - C. chest.
 - D. feet.

182. Endocytosis is utilized when:
- A. a cell takes a particle in.
 - B. the body maintains its balance.
 - C. chemical reactions within the body break down.
 - D. larger particles are broken down into smaller particles.
183. Which is required for dispensing medication?
- A. Childproof container
 - B. Glass jar
 - C. Pop-top container
 - D. Easy-to-open container
184. Sterile items used in surgery include:
- A. hair cover.
 - B. surgical mask.
 - C. surgical scrub.
 - D. booties or shoe covers.
185. Worms that are spread by a mosquito and can be found in dogs, cats, and ferrets are:
- A. tapeworms.
 - B. roundworms.
 - C. heartworms.
 - D. whipworms.

186. Which have reagents to determine viruses and diseases and are typically kept in the refrigerator?
- A. Serological test kits
 - B. Blood chemistry analyzers
 - C. Centrifuges
 - D. Gram stains
187. Which is **most** important for a veterinarian who offers the convenience of travelling to the animal's home?
- A. Include extra forms with medical records in case there is an unexpected problem
 - B. Include records for all animals in the home for care of unscheduled pets
 - C. Pack a dog bite kit as a special precaution
 - D. Drive a van that can be used an emergency room
188. A neutered male rabbit is called a:
- A. lapin.
 - B. doe.
 - C. buck.
 - D. kindling.
189. If a prescription reads 150 mg PO BID x 14 days, the BID stands for:
- A. three times a day.
 - B. every four hours.
 - C. every six hours.
 - D. twice a day.

190. Which measures the vital signs by the oxygenation status of the blood?
- A. Pulse oximeter
 - B. Temperature probe
 - C. Respiratory monitor
 - D. Stethoscope
191. Which restraint position is one where the animal is lying down?
- A. Recumbency
 - B. Sleeping
 - C. Resting
 - D. Relaxing
192. When administering fluids to an animal, the veterinary assistant should be able to:
- A. calculate the proper fluid drip rate.
 - B. monitor the IV catheter and fluid line.
 - C. insert the IV catheter.
 - D. determine the correct fluid solution to prescribe.
193. Screaming, mimicking, biting, and grinding are normal behaviors of:
- A. birds.
 - B. dogs.
 - C. pigs.
 - D. rabbits.

194. What procedure is a veterinary assistant performing when they soak items in a disinfectant chemical until items are used in medical treatment?
- A. Dry heat sterilization
 - B. Autoclave sterilization
 - C. Cold sterilization
 - D. Filtrated sterilization