Florida CTE

Agriculture, Food and Natural Resources: Veterinary Assisting 5 (2021): Grades 9-12

Groom selected companion and livestock animals. The student will be able to: 15.0

1. **Discuss using a variety of brushes, combs, flea combs, mat splitters, undercoat rakes, etc. to groom animal hair/fur as needed for both cosmetic and therapeutic reasons.** 15.1
2. **Explain using clippers to cut animal hair/fur as needed for both cosmetic and therapeutic reasons.** 15.2
3. **Explain the necessity of following written and oral instructions and all label directions regarding shampoos for bathing and therapeutic or flea rinses (dips).** 15.3
4. **List precautions in bathing and dipping including avoiding soap or chemicals in the eyes, lathering the entire body, timing the shampoo application according to directions, and towel or blow drying.** 15.4
5. **Identify the area of blood and nerve supply of the nail in the dog and cat and common pets such as rabbits and ferrets.** 15.5
6. **Identify appropriate instrument or nail trimmer for small and large dogs and cats.** 15.6
7. **Demonstrate comfortable handling of paw or limb during nail trim for dog and cat.** 15.7
8. **Explain methods for hemostasis if nail is accidentally trimmed too short.** 15.8
9. **Notify supervisor of abnormalities including in-grown nails and abnormal growth or shape.** 15.9
10. **Describe the steps in expressing anal sacs using the external method.** 15.10
11. **Discuss proper hoof care and hoof trimming needs.** 15.11

Describe exotic animals an ca

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1. **Define exotic animal, zoo animal, invasive and native animals.** 16.1

dentify exotic animals native and invasive to Florida. 16.2

student will be able to: 16.0

3 **Explain the effects of urban sprawl on the wildlife population.** 16.3

4 **Describe the roles of the Florida Fish and Wildlife Conservation Commission in wildlife management.** 16.4

5 **Explain state, national, and international laws affecting the purchase and transport of exotic animals.** 16.5

Assess techniques used in surgical assisting and surgical preparation. The student will be able to: 17.0

1 **Prepare and sterilize surgical equipment and supplies.** 17.1

- a Explain standard procedure for cleaning and lubricating all stainless steel instruments. 17.1.A
- b Explain appropriate use of ultrasonic instrument cleaning and proper solutions. 17.1.B
- c Explain cold sterilization trays and appropriate solutions. 17.1.C
- d Demonstrate assembly and wrapping of surgical packs for sterilization. 17.1.D
- e Demonstrate folding and wrapping a surgical gown for sterilization. 17.1.E
- f Explain proper procedure for sterilizations methods including the autoclave and gas sterilization (ethylene oxide) including safety precautions with each. 17.1.F

2 **Describe components of surgical assisting.** 17.2

- a Explain aseptic protocol for maintaining sterility of the surgical field 17.2.A
- b Demonstrate what can and cannot be touched when assisting in a surgical environment. 17.2.B
- c Demonstrate how suture material might be removed from its outer packaging and passed to the surgeon while maintaining sterility 17.2.C

3 **Summarize procedures necessary of patient preparation.** 17.3

- a Explain reason for pre-surgical fasting and appropriate time interval. 17.3.A
- b List methods to identify animal for surgery and confirm identity. 17.3.B
- c Demonstrate dorsal and sternal recumbancy positioning and securing animal in each on the surgery table under anesthesia as instructed by the veterinary technician or veterinarian. 17.3.C
- d Demonstrate clipping or shaving surgical field as instructed by the veterinary technician or veterinarian. 17.3.D
- e Demonstrate cleaning and disinfecting the surgical field using currently accepted standards for aseptic technique and surgical scrub. 17.3.E

4 **Identify proper post-surgical care techniques.** 17.4

- a List parameters to monitor during recovery and signs of distress in the recovery period. 17.4.A
- b Explain the swallow reflex and the appropriate time and method for endotracheal tube removal. 17.4.B

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c Explain appropriate transfer of animal from surgery to recovery kennel, positioning in kennel, and precautions in kennel. 17.4.C

d Confirm “No food or water” or similar instructions on recovery kennel. 17.4.D

Explain principles of pharmacology. The student will be able to: 18.0

1 **Identify forms of medication including tablet, capsule, liquid, powder, granules, topical creams, liquids, and gels.** 18.1

2 **Explain the application of topical flea medication.** 18.2

3 **Demonstrate the reconstitution of vaccine using appropriate diluents and amounts of diluents.** 18.3

4 **Demonstrate administration oral medications on companion and livestock animals.** 18.4

5 **List the components that must be present on a prescription label.** 18.5

6 **Observe and understand controlled substances logs and security** 18.6

7 **Inventory pharmacy supplies and notify supervisor of low supplies** 18.7

8 **Identify expiration date on labels and notify supervisor of expired drugs** 18.8

9 **Maintain clean shelves and storage areas for pharmaceuticals** 18.9

10 **Describe the process for administering medications by injection, oral, nasal and topical.** 18.10

11 **Describe the procedure for safe disposal of medications.** 18.11

12 **Determine methods to observe animals for medicine side effects or allergies.** 18.12

Explain proper methods of syringe and hypodermic needle use. The student will be able to: 19.0

1 **Identify and give the correct alignment from smallest to largest of hypodermic needles including but not limited to;12 g, 18g, 20 g, 22 g and 25 g.** 19.1

2 **Identify and align from smallest to largest commonly used syringes including but not limited to 3cc, 6cc, 12cc, 20cc, 35cc, 60cc and 1cc tuberculin or insulin syringe.** 19.2

3 **Demonstrate the ability to read the precise volume of medication in a syringe and to fill a syringe with medication to a specified volume when requested.** 19.3

4 **Describe appropriate SQ, IM, and IV injection sites.** 19.4