

# Agriculture, Food and Natural Resources: Veterinary Assisting 3 (2021): Grades 9-12

Demonstrate knowledge of animal control and animal welfare organizations. The student will be able to: 1.0

- 1 Differentiate between animal control agencies and animal welfare organizations. 1.1
- 2 Describe the responsibilities and goals of animal control agencies and animal welfare organizations 1.2
- 3 Identify and locate local animal control agencies and animal welfare organizations. 1.3

Describe the problems, causes, and solutions of animal overpopulation. The student will be able to: 2.0

- 1 Explain the cause and effect of overpopulation in animals. 2.1
- 2 Define euthanasia and describe its role in animal overpopulation. 2.2
- 3 Explain the pet owners' and societies' responsibilities concerning animal overpopulation. 2.3
- 4 Discuss the medical benefits of spaying and neutering. 2.4

Locate and interpret animal-related laws, in state statutes, or local ordinances . The student will be able to: 3.0

- 1 Describe local animal control laws. 3.1
- 2 Describe permitting requirements for exotic and wildlife animals. 3.2
- 3 Demonstrate knowledge of local and state animal regulations. 3.3
- 4 Determine the legal limitations of duties of an employee in the animal services industry. 3.4
- 5 Identify when an Animal Health Certificate is required. 3.5
- 6 Explain the laws governing the sale of animals and the disposal of animals. 3.6
- 7 List the legal options for euthanasia. 3.7
- 8 List the legal options for disposal of the pet's body. 3.8

**Identify the different digestive systems of animals and the nutritional requirements of selected species. The student will be able to:** 4.0

- 1 Differentiate between ruminants and non-ruminants (monogastric and hind gut fermentors).** 4.1
- 2 Differentiate the teeth and eating habits of omnivores, carnivores, and herbivores.** 4.2
- 3 Describe the basic nutritional requirements of selected species.** 4.3
- 4 Analyze different feed labels and identify feed ingredients.** 4.4
- 5 Explain the appropriate storage for dry and canned dog or cat food.** 4.5
- 6 Explain nutritional needs based on life stage and size of animal and choose appropriate food and amount for specific animals for general care.** 4.6
- 7 Explain potential problems with feeding therapeutic foods incorrectly or to the wrong patient.** 4.7

**Explain the reproductive system and breeding of common companion and livestock animals. The student will be able to:** 5.0

- 1 Explain the male and female reproductive systems of common companion and livestock animals.** 5.1
- 2 Determine sex of animals.** 5.2
- 3 Determine appropriate age or weight for breeding.** 5.3
- 4 Identify gestation length.** 5.4
- 5 Describe estrous cycle.** 5.5
- 6 Describe breeding techniques (ex. Natural, artificial insemination etc.)** 5.6
- 7 Identify selection criteria of males and females for reproduction.** 5.7
- 8 Describe care of breeding stock.** 5.8

**Investigate the common husbandry practices and daily care of companion animals and exotic animals and fish. The student will be able to:** 6.0

- 1 Describe breeds, characteristics and husbandry and care of guinea pigs.** 6.1
- 2 Describe breeds, characteristics and husbandry and care of chinchillas and degus.** 6.2
- 3 Describe breeds, characteristics and husbandry and care of ferrets.** 6.3
- 4 Describe breeds, characteristics and husbandry and care of amphibians.** 6.4
- 5 Describe breeds, characteristics and husbandry and care of reptiles.** 6.5
- 6 Describe breeds, characteristics and husbandry and care of birds.** 6.6
- 7 Describe breeds, characteristics and husbandry and care of fish.** 6.7

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- 8 Describe breeds, characteristics and husbandry and care of avian species. 6.8**

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  - 9 Describe breeds, characteristics and husbandry and care of reptile species. 6.9**

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  - 10 Describe breeds, characteristics and husbandry and care of fish. 6.10**

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  - 11 Describe breeds, characteristics and husbandry and care of rabbits. 6.11**

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  - 12 Describe breeds, characteristics and husbandry and care of rodents. 6.12**
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**Demonstrate knowledge of preventive medicine and disease control- the students will be able to: 7.0**

- 1 Describe the importance of preventive medicine for animal health. 7.1**

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  - 2 Differentiate between healthy and sick animals. 7.2**

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  - 3 Describe common infectious and noninfectious diseases of animals to include bacterial, viral, fungal, prion and zoonotic. 7.3**

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  - 4 Describe vaccinations available for disease prevention and vaccination procedures. 7.4**

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  - 5 Describe isolation or quarantine procedures for new or sick animals. 7.5**

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  - 6 Describe methods of preventive medicine and quarantine for disease control in a kennel, cattery, paddock, rabbitry, and zoo. 7.6**

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  - 7 Discuss the terms immunology and active and passive immunity as it applies to disease and vaccination. 7.7**

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  - 8 Describe concepts for periodic health check-up. 7.8**

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  - 9 List and discuss common zoonotic diseases. 7.9**
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**Demonstrate human-relations, communications, leadership, and employability skills. The student will be able to: 8.0**

- 1 Follow oral and written directions with understanding; ask questions that clarify directions as needed. 8.1**

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- 2 Communicate effectively in verbal, written, and nonverbal modes; demonstrate effective telephone skills. 8.2**

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- 3 Conduct small, informal, formal, and group meetings using basic parliamentary procedure. 8.3**

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- 4 Identify the opportunities for leadership development available through an appropriate student and/or professional organization. 8.4**

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- 5 Demonstrate acceptable employee hygiene habits. 8.5**

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- 6 Complete pertinent forms for employment, such as a resume, a job application, a W-4 form. 8.6**

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- 7 Demonstrate job interview techniques.** 8.7
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- 8 Student avoids misrepresentation, slander, violating client confidentiality, substandard patient care, substance abuse, or animal abuse/neglect.** 8.8
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- 9 Explain the veterinarian-client-patient relationships** 8.9
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- 10 Explain the importance of keeping their credentials current with continuing education credits** 8.10
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- 11 Conforms to safety and professional dress code by dressing in well- fitting scrubs or uniforms, closed- toed shoes, avoids excessive or loose jewelry, or excessive and visible body-piercings or tattoos, avoids long or fake nails, and keeps hair short or tied back.** 8.11
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- 12 Actively observe his/her working environment and animals, promptly reporting observations and concerns to the veterinary technician or veterinarian as needed.** 8.12
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- 13 Demonstrate initiative to complete tasks.** 8.13
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- 14 Accurately follow both oral and written instructions.** 8.14
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- 15 Discuss ways to resolve complaints or conflicts with either pet owners/clients or co-workers in a professional manner.** 8.15