2021 National FFA Veterinary Science Career Development Event

Written Exam

1. Factors that contribute to stress in animals include all the following except
2. Overcrowding
3. Weather extremes
4. **Access to food at all times**
5. Transportation

Intro to animal sci p. 242

1. The estrous cycle in cattle is described as
   1. **Year round polyestrous**
   2. Anestrous
   3. Induced ovulators
   4. Seasonally polyestrous

Intro to Animal Sci p. 126

1. All the following parasites can be passed from one animal to another through fecal material except:
   1. *Toxocara spp*
   2. *Ancylostoma spp*
   3. *Trichuris vulpis*
   4. ***Dirofilaria immitis***

Intro to Animal Sci p. 228

1. When a bone is broken cleanly into two pieces it is known as a(an)
   1. **Simple fracture**
   2. Compound fracture
   3. Spiral fracture
   4. Comminuted fracture

Intro to Animal Sci p. 44

1. White blood cells are known as
   1. Thrombocytes
   2. **Leukocytes**
   3. Erythrocytes
   4. Plasma

Intro to Animal Sci p. 54

1. Which option is the correct order of blood flow through the heart?
   1. **Right atrium, Right Ventricle, lungs, left atrium, left ventricle**
   2. Left atrium, left ventricle, lungs, right atrium, right ventricle
   3. Left atrium, right atrium, lungs, left ventricle, right ventricle
   4. Right atrium, left atrium, lungs, right ventricle, left ventricle

Intro to Animal Sci p. 65

1. Normal heart rate for a dog is
   1. 58-86
   2. 300-600
   3. 23-70
   4. **100-130**

Intro to Animal Sci p. 65

1. Gas exchange in the lungs occurs in the
   1. **Alveoli**
   2. Bronchi
   3. Trachea
   4. Bronchioles

Intro to Animal Sci p. 77

1. Which species has lobulated kidneys
   1. Horses
   2. **Cows**
   3. Dogs
   4. Cats

Intro to Animal Sci p. 86

1. All the following are examples of zoonotic diseases except:
2. Rabies
3. Ringworm
4. **Foot-and-mouth disease**
5. Psittacosis

Small Animal Management and Care p. 12-14

1. Which of the following is not a fat-soluble vitamin?
   1. A
   2. D
   3. **C**
   4. K

Small Animal Management and Care p. 124

1. Ruminant animals have how many compartments to their stomachs?
   1. 1
   2. 2
   3. 3
   4. **4**

Small Animal Management and Care p. 132

1. Snuffles is an upper respiratory disease that effects what species?
   1. **Rabbits**
   2. Hamsters
   3. Gerbils
   4. Ferrets

Small Animal Management and Care p. 269

1. Which species is nocturnal?
   1. Rabbits
   2. **Hamsters**
   3. Gerbils
   4. Ferrets

Small Animal Management and Care p. 279

1. The life expectancy is of a gerbil is
   1. 1-3 years
   2. **2-4 years**
   3. 3-5 years
   4. 4-6 years

Small Animal Management and Care p. 293

1. A cavy is more commonly known as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   1. Ferret
   2. Hamster
   3. **Guinea pig**
   4. Gerbil

Small Animal Management and Care p. 319

1. Which species is used for hunting rodents and rabbits?
   1. Guinea pig
   2. Hamster
   3. **Ferret**
   4. Gerbil

Small Animal Management and Care p. 346

1. \_\_\_\_\_\_\_\_\_ receptors are responsible for the sense of smell.
   1. **Olfactory**
   2. Pharynx
   3. Nasal turbines
   4. Sinus

Vet Med term p. 188

1. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used to measure blood pressure.
   1. Otoscope
   2. Stethoscope
   3. **Sphygmomanometer**
   4. Pulse oximeter

Vet Med term p. 332

1. Fever or increase in body temperature can also be referred to all the following except:
   1. Febrile
   2. Pyrexia
   3. **Hypothermia**
   4. Hyperthermia

Vet Med term p. 331

1. Telescoping of one part of the intestines into an adjacent part is called
   1. Volvulus
   2. Diverticulum
   3. Parenchyma
   4. **Intussusception**

Vet Med term p. 131

1. Inflammation of the mouth is
   1. **Stomatitis**
   2. Orititis
   3. Dentitis
   4. Osititis

Vet Med term p. 131

1. The V-shaped pad of the soft horn between the bars on the sole of the equine hoof is known as the
   1. Sole
   2. White line
   3. Ergot
   4. **Frog**

Vet Med term p. 85

1. The correct order of the vertebral segments, from cranial to caudal, is
   1. Coccygeal, sacral, lumbar, thoracic, cervical
   2. Cervical, sacral, lumbar, thoracic, coccygeal
   3. **Cervical, thoracic, lumbar, sacral, coccygeal**
   4. Coccygeal, thoracic, lumbar, sacral, cervical

Vet Med term p. 65

1. Tarsal bones are found in the
   1. Digits
   2. Wrists
   3. Stifles
   4. **Hocks**

Vet Med term p. 67

1. Larger than normal red blood cells are described as being
   1. Hyperchromic
   2. Hypochromic
   3. Microcytic
   4. **Macrocytic**

Vet Med term p. 327

1. The type of roughage feed produced by fermenting chopped plant parts is
   1. Concentrate
   2. Sweet feed
   3. **Silage**
   4. Hay

Vet Med term p. 406

1. Veterinary Client Patient Relationship satisfies all the following criteria except:
   1. The veterinarian has assumed responsibility of the patient regarding the health and veterinary treatment
   2. The veterinarian is available for consultation
   3. The veterinarian maintains medical records of the animals’ treatments
   4. **The veterinarian assumes responsibility of the patient’s medical bills**

Veterinary Assisting p. 14

1. Medical records should be competed in
   1. **Blue or black ink**
   2. Red ink
   3. Pencil so it can be easily corrected
   4. Any color inks

Veterinary Assisting p. 19

1. If an error is made in a medical record, how should it be corrected?
   1. White out or correction fluid
   2. Erase it
   3. **Place a single line through it**
   4. Scribble over it so it can’t be read

Veterinary Assisting p. 20

1. In order to use the title veterinary technologist, one must
   1. Obtain an associate degree from an AVMA accredited school and pass the VTNE
   2. **Obtain a bachelor’s degree from an AVMA accredited school and pass the VTNE**
   3. Obtain a job at a veterinary clinic
   4. Complete an online certificate program

Veterinary Assisting p. 49

1. Interpersonal communications include all the following forms of communication except:
   1. Written
   2. Verbal
   3. Body language
   4. **Assumptions**

Veterinary Assisting p. 66

1. Veterinary laws are based on:
   1. **Each states Veterinary Practice Act**
   2. AAHA
   3. OSHA
   4. NAVLE

Veterinary Assisting p. 81

1. When selecting a pet all the following should be considered before deciding except:
   1. Age of pet
   2. Size of pet
   3. Space required for the pet
   4. **How many “likes” will it get on social media**

Veterinary Assisting p. 94

1. A senior dog should be fed which type of diet?
   1. Moderate protein, calcium, and phosphorus
   2. Low fat, low calorie, low protein
   3. Low protein, moderate calcium and phosphorus
   4. **High phosphorus, high calcium, moderate protein**

Veterinary Assisting p. 94

1. Lateral recumbency is a form of
   1. Chemical restraint
   2. Vocal restraint
   3. **Physical restraint**
   4. Not a real form of restraint

Veterinary Assisting p. 98

1. What size clipper blade is used for surgical prep?
   1. **40**
   2. 15
   3. 10
   4. 5

Veterinary Assisting p. 104

1. The term ovariohysterectomy is commonly defined as
   1. Castration
   2. **Spay**
   3. De-claw
   4. Tail docking

Veterinary Assisting p. 116

1. When creating a regular aquarium maintenance schedule how often should the water and pH levels be checked?
   1. Daily
   2. **Weekly**
   3. Monthly
   4. Quarterly

Veterinary Assisting p. 223

1. Sheep are primarily raised for all the following except
   1. Meat
   2. Milk
   3. Wool
   4. **Companions**

Veterinary Assisting p. 326

1. What equipment is used to separate blood cells from the liquid portion of blood?
   1. **Centrifuge**
   2. Sphygmomanometer
   3. refractometer
   4. hemocytometer

Veterinary Assisting p. 415

1. Proglottids found in a dog’s feces is a common sign of what intestinal parasite?
   1. ***Dipylidium caninum***
   2. *Toxocara canis*
   3. *Toxascaris leonina*
   4. *Trichuris vulpis*

McCurnins p. 446

1. Which form of yeast is most commonly found in patients with ear infections?
   1. ***Malassezia pachydermatis***
   2. *Candida albicans*
   3. *Coccidioides immitis*
   4. *Cryptococcus neoformans*

McCurnins p. 510

1. On the 5-point Body Condition Scale guide a score of 5 is considered
   1. Very thin
   2. Ideal
   3. Overweight
   4. **Obese**

McCurnins p. 321

1. It is recommended wellness visits should be scheduled every \_\_\_\_\_months for senior and geriatric dogs and cats.
   1. 3
   2. **6**
   3. 9
   4. 12

McCurnins p.262

1. Which of the following is considered a core vaccine for feline patients?
   1. **Feline panleukopenia**
   2. Feline leukemia virus
   3. Feline immunodeficiency virus
   4. Bordetella bronchiseptica

McCurnins p. 266

1. Proteins are large molecules made up of chains of smaller compounds called
   1. Lipids
   2. Vitamins
   3. **Amino acids**
   4. Minerals

McCurnins p.293

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the most energy demanding, stressful stage in a typical female dogs’ life.
   1. Growth
   2. Gestation
   3. **Lactation**
   4. Weaning

McCurnins p. 324

1. The most common route for administering vaccines in cats and dogs is
   1. IV
   2. ID
   3. IN
   4. **SQ**

McCurnins p.589

1. Alternative veterinary therapies include all the following except
   1. Physical therapy
   2. Acupuncture
   3. **Antibiotics**
   4. Nutraceuticals

McCurnins p. 845