**Course**: Veterinary Science

**Test Name**: 2024 Louisiana FFA Area 1 Veterinary Science CDE Written Exam

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**1:** All of the following are true about rabies except:

**A \_\_\_\_** it is caused by a virus

**B \_\_\_\_** is also known as hydrophobia

**C \_\_\_\_** only occurs in mammals

**D \_\_\_\_** can be treated with antibiotics

**2:** When creating a regular aquarium maintenance schedule how often should the water and pH levels be checked?

**A \_\_\_\_** Daily

**B \_\_\_\_** Weekly

**C \_\_\_\_** Monthly

**D \_\_\_\_** Quarterly

**3:** Which organization/association was developed for the exchange of information and humane care of laboratory animals used in research?

**A \_\_\_\_** AMA

**B \_\_\_\_** AVMA

**C \_\_\_\_** AALAS

**D \_\_\_\_** AWA

**4:** What causes ringworm?

**A \_\_\_\_** fungi

**B \_\_\_\_** prions

**C \_\_\_\_** bacteria

**D \_\_\_\_** worms

**5:** On the 5-point Body Condition Scale guide a score of 5 is considered

**A \_\_\_\_** Very thin

**B \_\_\_\_** Ideal

**C \_\_\_\_** Overweight

**D \_\_\_\_** Obese

**6:** Bilirubin is found in urine when which organ is not functioning?

**A \_\_\_\_** Heart

**B \_\_\_\_** Stomach

**C \_\_\_\_** Lungs

**D \_\_\_\_** Liver

**7:** The life expectancy is of a gerbil is

**A \_\_\_\_** 1-3 years

**B \_\_\_\_** 2-4 years

**C \_\_\_\_** 3-5 years

**D \_\_\_\_** 4-6 years

**8:** All species of snakes fall into the family Boidae except:

**A \_\_\_\_** Reticulated python

**B \_\_\_\_** Anaconda

**C \_\_\_\_** Boa constrictor

**D \_\_\_\_** Corn snake

**9:** What is another name for a female equine never bred?

**A \_\_\_\_** Brood mare

**B \_\_\_\_** Agalactic mare

**C \_\_\_\_** Wet mare

**D \_\_\_\_** Maiden mare

**10:** All of the following are examples of holistic medicine except:

**A \_\_\_\_** rehabilitation

**B \_\_\_\_** chiropractic

**C \_\_\_\_** acupuncture

**D \_\_\_\_** vaccines

**11:** In fish, where is the caudal fin located?

**A \_\_\_\_** On the back

**B \_\_\_\_** On the side

**C \_\_\_\_** On the belly

**D \_\_\_\_** On the tail

**12:** Which is not a characteristic of a reptile's heart?

**A \_\_\_\_** Three chambers

**B \_\_\_\_** No atria

**C \_\_\_\_** Associated with a low metabolic rate, so reptiles depend on their environment for warmth

**D \_\_\_\_** Two ventricles

**13:** Correct rabbit restraint is important because when frightened they can kick hard enough to fracture it's \_\_\_\_\_\_\_\_\_\_\_.

**A \_\_\_\_** foot

**B \_\_\_\_** tibia

**C \_\_\_\_** radius

**D \_\_\_\_** spine

**14:** Alveoli, where gas exchange takes place in the lungs, are located at the end of the

**A \_\_\_\_** Trachea

**B \_\_\_\_** Bronchus

**C \_\_\_\_** Bronchiole

**D \_\_\_\_** Cartilage ring

**15:** All the following parasites can be passed from one animal to another through fecal material except:

**A \_\_\_\_** *Toxocara spp*

**B \_\_\_\_** *Ancylostoma spp*

**C \_\_\_\_** *Trichuris vulpis*

**D \_\_\_\_** *Dirofilaria immitis*

**16:** Which disease is zoonotic and transmitted via direct contact of contaminated water and soil?

**A \_\_\_\_** Parvovirus

**B \_\_\_\_** Q Fever

**C \_\_\_\_** Brucellosis

**D \_\_\_\_** Leptospirosis

**17:** Proglottids found in a dog's feces is a common sign of what intestinal parasite?

**A \_\_\_\_** *Dipylidium caninum*

**B \_\_\_\_** *Toxocara canis*

**C \_\_\_\_** *Toxascaris leonina*

**D \_\_\_\_** *Trichuris vulpis*

**18:** How many cranial nerves are in the central nervous system of a dog?

**A \_\_\_\_** 4

**B \_\_\_\_** 8

**C \_\_\_\_** 12

**D \_\_\_\_** 16

**19:** What is the process of bringing up food material from the stomach to the mouth for further chewing?

**A \_\_\_\_** Mastication

**B \_\_\_\_** Rumination

**C \_\_\_\_** Defecation

**D \_\_\_\_** Eructation

**20:** Which term describes a hypersensitivity reaction involving pruritis with secondary dermatitis?

**A \_\_\_\_** Abrasion

**B \_\_\_\_** Abscess

**C \_\_\_\_** Alopecia

**D \_\_\_\_** Atopy

**21:** A producer vaccinates his sheep with tetanus antitoxin at the time of banding. What is true about the protection of an antitoxin?

**A \_\_\_\_** The animal develops an active immunity against the bacterium.

**B \_\_\_\_** It provides long-term protection.

**C \_\_\_\_** It requires a booster vaccine in a month.

**D \_\_\_\_** The benefit starts immediately after the injection.

**22:** Protein, fats, and are nutrients that supply energy.

**A \_\_\_\_** water

**B \_\_\_\_** carbohydrates

**C \_\_\_\_** fiber

**D \_\_\_\_** vitamins

**23:** The blood collection tube that has EDTA in it as an anticoagulant preserves cell morphology has what color top?

**A \_\_\_\_** Red

**B \_\_\_\_** Purple

**C \_\_\_\_** Blue

**D \_\_\_\_** Green

**24:** What term describes the abnormal noise heard when the linings of the lungs and chest are inflamed?

**A \_\_\_\_** Cyanosis

**B \_\_\_\_** Expiration

**C \_\_\_\_** Pleural friction rub

**D \_\_\_\_** Mild Crepitus

**25:** What is the gelatinous center of an intervertebral disc?

**A \_\_\_\_** Nucleus pulposus

**B \_\_\_\_** Cauda equine

**C \_\_\_\_** Annulus fibrosis

**D \_\_\_\_** Transverse process

**26:** A producer calls you because his cow is in labor and he can see "the bag of waters." What is he seeing?

**A \_\_\_\_** Amniotic sac

**B \_\_\_\_** Umbilical cord

**C \_\_\_\_** Chorion

**D \_\_\_\_** Caruncles

**27:** are believed to be the first domesticated animals.

**A \_\_\_\_** Cat

**B \_\_\_\_** Dog

**C \_\_\_\_** Cow

**D \_\_\_\_** Horse

**28:** What is another name for milk fever?

**A \_\_\_\_** Hyperkalemia

**B \_\_\_\_** Hypercalcemia

**C \_\_\_\_** Hypokalemia

**D \_\_\_\_** Hypocalcemia

**29:** Listening to the heart and lungs through a stethoscope is known as

**A \_\_\_\_** Auscultation

**B \_\_\_\_** Palpation

**C \_\_\_\_** Arrythmia

**D \_\_\_\_** Observation

**30:** Pacing, inability to settle, and self-mutilation are least likely to be clinical signs of what?

**A \_\_\_\_** Storm phobia

**B \_\_\_\_** Hypothyroidism

**C \_\_\_\_** Separation anxiety

**D \_\_\_\_** Confinement distress

**31:** Which of the following is the most common kind of restraint:

**A \_\_\_\_** psychological

**B \_\_\_\_** physical

**C \_\_\_\_** chemical

**D \_\_\_\_** hypnosis

**32:** When a cow is in heat (or "standing heat") she is in which phase of the estrous cycle?

**A \_\_\_\_** Proestrus

**B \_\_\_\_** Estrus

**C \_\_\_\_** Metestrus

**D \_\_\_\_** Anestrus

**33:** What part of the eye is clear in a young, healthy animal?

**A \_\_\_\_** Retina

**B \_\_\_\_** Iris

**C \_\_\_\_** Sclera

**D \_\_\_\_** Lens

**34:** What size clipper blade is used for surgical prep?

**A \_\_\_\_** 40

**B \_\_\_\_** 15

**C \_\_\_\_** 10

**D \_\_\_\_** 5

**35:** Lack of vitamin D prevents normal absorption of calcium and prevents adequate deposition in the bone. If this deficiency occurs in the young it results in a condition known as:

**A \_\_\_\_** rickets

**B \_\_\_\_** Addison's disease

**C \_\_\_\_** brittle bone

**D \_\_\_\_** Cushing's disease

**36:** Which is a tick-borne disease that causes a "bull's-eye " skin lesion, flu-like symptoms, and potentially organ damage?

**A \_\_\_\_** Anaplasmosis

**B \_\_\_\_** Lyme disease

**C \_\_\_\_** Erlichiosis

**D \_\_\_\_** Rocky Mountain Spotted Fever

**37:** Needle teeth are found in which newborn?

**A \_\_\_\_** Calf

**B \_\_\_\_** Foal

**C \_\_\_\_** Piglet

**D \_\_\_\_** Chick

**38:** Cats and dogs have a total of incisors.

**A \_\_\_\_** 6

**B \_\_\_\_** 7

**C \_\_\_\_** 12

**D \_\_\_\_** 14

**39:** Which type of fracture has an angular break diagonal to the long axis?

**A \_\_\_\_** greenstick

**B \_\_\_\_** comminuted

**C \_\_\_\_** oblique

**D \_\_\_\_** transverse

**40:** What controls the normal rate of respiration?

**A \_\_\_\_** carbon dioxide

**B \_\_\_\_** lungs

**C \_\_\_\_** oxygen

**D \_\_\_\_** brain

**41:** What does a mast cell tumor produce?

**A \_\_\_\_** Antioxidant

**B \_\_\_\_** Histamine

**C \_\_\_\_** Struvite

**D \_\_\_\_** Chloride

**42:** White blood cells are known as

**A \_\_\_\_** Thrombocytes

**B \_\_\_\_** Leukocytes

**C \_\_\_\_** Erythrocytes

**D \_\_\_\_** Plasma

**43:** Below normal levels of oxygen in an animal is known as

**A \_\_\_\_** Infarct

**B \_\_\_\_** Hypoxia

**C \_\_\_\_** Hypocapnia

**D \_\_\_\_** Thrombus

**44:** An equine patient is undergoing surgery for an intestinal volvulus. Which of the following will the surgeon perform after removing a section of dead bowel?

**A \_\_\_\_** Cystocentesis

**B \_\_\_\_** Abomasopexy

**C \_\_\_\_** Anastomosis

**D \_\_\_\_** Castration

**45:** Sheep are primarily raised for all the following except

**A \_\_\_\_** Meat

**B \_\_\_\_** Milk

**C \_\_\_\_** Wool

**D \_\_\_\_** Companions

**46:** Fever or increase in body temperature can also be referred to all the following except:

**A \_\_\_\_** Febrile

**B \_\_\_\_** Pyrexia

**C \_\_\_\_** Hypothermia

**D \_\_\_\_** Hyperthermia

**47:** During molting, hens will decrease egg production because their bodies are depleted of

**A \_\_\_\_** Fiber

**B \_\_\_\_** Vitamin E

**C \_\_\_\_** Zinc

**D \_\_\_\_** Calcium

**48:** \_\_\_\_\_\_\_\_\_ receptors are responsible for the sense of smell.

**A \_\_\_\_** Olfactory

**B \_\_\_\_** Pharynx

**C \_\_\_\_** Nasal turbines

**D \_\_\_\_** Sinus

**49:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is hardest substance in the body.

**A \_\_\_\_** dentin

**B \_\_\_\_** bone

**C \_\_\_\_** enamel

**D \_\_\_\_** cementum

**50:** Which gland secretes epinephrine and norepinephrine?

**A \_\_\_\_** Adrenal gland

**B \_\_\_\_** Thyroid gland

**C \_\_\_\_** Sebaceous gland

**D \_\_\_\_** Pituitary gland