**Course**: Veterinary Science

**Test Name**: 2024 Louisiana FFA Area 2 Veterinary Science CDE Written Exam

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**1:** 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

**2:** The most important disease is hamster enteritis, also referred to as

**A \_\_\_\_** snuffles

**B \_\_\_\_** parvo

**C \_\_\_\_** scours

**D \_\_\_\_** wet tail

**3:** Which of the following is considered a core vaccine for feline patients?

**A \_\_\_\_** Feline panleukopenia

**B \_\_\_\_** Feline leukemia virus

**C \_\_\_\_** Feline immunodeficiency virus

**D \_\_\_\_** Bordetella bronchiseptica

**4:** Alternative veterinary therapies include all the following except

**A \_\_\_\_** Physical therapy

**B \_\_\_\_** Acupuncture

**C \_\_\_\_** Antibiotics

**D \_\_\_\_** Nutraceuticals

**5:** The V-shaped pad of the soft horn between the bars on the sole of the equine hoof is known as the

**A \_\_\_\_** Sole

**B \_\_\_\_** White line

**C \_\_\_\_** Ergot

**D \_\_\_\_** Frog

**6:** 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

**7:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are known as the powerhouse of the cell.

**A \_\_\_\_** lysosomes

**B \_\_\_\_** endoplasmic reticulum

**C \_\_\_\_** golgi apparatus

**D \_\_\_\_** mitochondria

**8:** What describes a tumor that is not cancerous?

**A \_\_\_\_** Malignant

**B \_\_\_\_** Benign

**C \_\_\_\_** Metastases

**D \_\_\_\_** Carcinoma

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

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

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

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

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

**10:** Veterinary laws are based on:

**A \_\_\_\_** Each states Veterinary Practice Act

**B \_\_\_\_** AAHA

**C \_\_\_\_** OSHA

**D \_\_\_\_** NAVLE

**11:** Which animal has the fastest heart rate?

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

**B \_\_\_\_** Goat

**C \_\_\_\_** Hamster

**D \_\_\_\_** Sheep

**12:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ species of rat was the major reservoir for the black plague that killed more than one-forth of the European population during the 1300's.

**A \_\_\_\_** *Rattus rattus*

**B \_\_\_\_** *Rattus auratus*

**C \_\_\_\_** *Rattus norvegicus*

**D \_\_\_\_** *Rattus unguiculatus*

**13:** 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.

**14:** 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

**15:** Which species is nocturnal?

**A \_\_\_\_** Rabbits

**B \_\_\_\_** Hamsters

**C \_\_\_\_** Gerbils

**D \_\_\_\_** Ferrets

**16:** \_\_\_\_\_\_\_\_\_\_ is a sudden involuntary contraction of some muscles caused by a brain disturbance.

**A \_\_\_\_** Seizure

**B \_\_\_\_** Hydrocephalus

**C \_\_\_\_** Hypnosis

**D \_\_\_\_** Paralysis

**17:** Chameleons have the ability to change color by using which of the following?

**A \_\_\_\_** Trypsin

**B \_\_\_\_** Melanin

**C \_\_\_\_** Cortisol

**D \_\_\_\_** Cobalamin

**18:** What term describes a disorder of unknown cause?

**A \_\_\_\_** Isotonic

**B \_\_\_\_** Idiopathic

**C \_\_\_\_** Infectious

**D \_\_\_\_** Iatrogenic

**19:** Acetaminophen, or Tylenol, is toxic to animals and damages which organ?

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

**B \_\_\_\_** Kidney

**C \_\_\_\_** Pancreas

**D \_\_\_\_** Spleen

**20:** Which diagnostic test is used to determine the presence of mange mites?

**A \_\_\_\_** Skin scraping

**B \_\_\_\_** Fluorescien dye

**C \_\_\_\_** Excisional biopsy

**D \_\_\_\_** Intradermal skin testing

**21:** Most human directed aggression in dogs is

**A \_\_\_\_** dominance

**B \_\_\_\_** from abuse

**C \_\_\_\_** fear related

**D \_\_\_\_** breed related

**22:** Tendons connect to .

**A \_\_\_\_** muscle; bone

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

**C \_\_\_\_** muscle; muscle

**D \_\_\_\_** muscle; ligaments

**23:** The term ovariohysterectomy is commonly defined as

**A \_\_\_\_** Castration

**B \_\_\_\_** Spay

**C \_\_\_\_** De-claw

**D \_\_\_\_** Tail docking

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

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

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

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

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

**25:** Floating the teeth should be part of a wellness plan for which animal?

**A \_\_\_\_** Cattle

**B \_\_\_\_** Goats

**C \_\_\_\_** Horses

**D \_\_\_\_** Swine

**26:** Which term means a slower than normal heart rate but normal rhythm?

**A \_\_\_\_** Bradycardia

**B \_\_\_\_** Tachycardia

**C \_\_\_\_** Myocardia

**D \_\_\_\_** Pericardia

**27:** A difficult birth is called

**A \_\_\_\_** Dysplasia

**B \_\_\_\_** Dementia

**C \_\_\_\_** Diestrus

**D \_\_\_\_** Dystocia

**28:** Rabbits are used for all of the following except:

**A \_\_\_\_** Pets

**B \_\_\_\_** Meat

**C \_\_\_\_** Research

**D \_\_\_\_** Hunting rodents

**29:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the most energy demanding, stressful stage in a typical female dogs' life.

**A \_\_\_\_** Growth

**B \_\_\_\_** Gestation

**C \_\_\_\_** Lactation

**D \_\_\_\_** Weaning

**30:** When selecting a pet all the following should be considered before deciding except:

**A \_\_\_\_** Age of pet

**B \_\_\_\_** Size of pet

**C \_\_\_\_** Space required for the pet

**D \_\_\_\_** How many "likes" will it get on social media

**31:** Which gland produces adrenaline and epinephrine?

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

**B \_\_\_\_** Pituitary gland

**C \_\_\_\_** Thyroid gland

**D \_\_\_\_** Meibomian gland

**32:** Veterinary Client Patient Relationship satisfies all the following criteria except:

**A \_\_\_\_** The veterinarian has assumed responsibility of the patient regarding the health and veterinary treatment

**B \_\_\_\_** The veterinarian is available for consultation

**C \_\_\_\_** The veterinarian maintains medical records of the animals' treatments

**D \_\_\_\_** The veterinarian assumes responsibility of the patient's medical bills

**33:** What species of animal has lobulated kidneys?

**A \_\_\_\_** cat

**B \_\_\_\_** horse

**C \_\_\_\_** dog

**D \_\_\_\_** cow

**34:** What causes ringworm?

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

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

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

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

**35:** Birds have four types of feathers. The purpose of the down feathers is

**A \_\_\_\_** Insulation

**B \_\_\_\_** Assist with flight

**C \_\_\_\_** Sensory

**D \_\_\_\_** Provide the bird's color

**36:** Which antibody does the body make in response to invading germs and is the only one that can cross the placenta?

**A \_\_\_\_** IgA

**B \_\_\_\_** IgE

**C \_\_\_\_** IgG

**D \_\_\_\_** IgM

**37:** Which organ is not involved in breaking down fats?

**A \_\_\_\_** Pancreas

**B \_\_\_\_** Liver

**C \_\_\_\_** Gallbladder

**D \_\_\_\_** Large intestine

**38:** 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

**39:** The average gestation length of a female cat is

**A \_\_\_\_** 45 days

**B \_\_\_\_** 65 days

**C \_\_\_\_** 55 days

**D \_\_\_\_** 75 days

**40:** Medical records should be competed in

**A \_\_\_\_** Blue or black ink

**B \_\_\_\_** Red ink

**C \_\_\_\_** Pencil so it can be easily corrected

**D \_\_\_\_** Any color inks

**41:** What is not a characteristic of periosteum?

**A \_\_\_\_** Provides cells necessary to repair damage

**B \_\_\_\_** Found at the ends of bones in the joints

**C \_\_\_\_** Thin layer of connective tissue

**D \_\_\_\_** Connects tendons and ligaments to bones

**42:** The \_ regulates the commercial pet food industry and ensures that foods are uniformly labeled and marketed.

**A \_\_\_\_** AAFCO

**B \_\_\_\_** OSHA

**C \_\_\_\_** USDA

**D \_\_\_\_** IACUC

**43:** The heat cycle in a female is known as

**A \_\_\_\_** Estrus cycle

**B \_\_\_\_** Estrous cycle

**C \_\_\_\_** Lactogenic cycle

**D \_\_\_\_** Follicular cycle

**44:** What part of the eye contains rods and cones?

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

**B \_\_\_\_** Sclera

**C \_\_\_\_** Iris

**D \_\_\_\_** Pupil

**45:** Rickettsial diseases are transmitted by which parasite?

**A \_\_\_\_** Roundworms

**B \_\_\_\_** Flies

**C \_\_\_\_** Mosquitoes

**D \_\_\_\_** Ticks

**46:** All of the following are types of restraint used on a horse except

**A \_\_\_\_** Pinching

**B \_\_\_\_** Hobbles

**C \_\_\_\_** Twitching

**D \_\_\_\_** Nose tongs

**47:** In order to use the title veterinary technologist, one must

**A \_\_\_\_** Obtain an associate degree from an AVMA accredited school and pass the VTNE

**B \_\_\_\_** Obtain a bachelor's degree from an AVMA accredited school and pass the VTNE

**C \_\_\_\_** Obtain a job at a veterinary clinic

**D \_\_\_\_** Complete an online certificate program

**48:** With a spinal cord injury, what deficit causes "knuckling" and the lack of awareness of where one's limbs are in space?

**A \_\_\_\_** Sciatic deficit

**B \_\_\_\_** Conscious proprioceptive deficit

**C \_\_\_\_** Menace reflex deficit

**D \_\_\_\_** Autonomic receptive deficit

**49:** What should an owner avoid when managing a pet with separation anxiety?

**A \_\_\_\_** Food toys

**B \_\_\_\_** Music

**C \_\_\_\_** Shock collar

**D \_\_\_\_** White noise machine

**50:** Removing the sharp edges of a horse's teeth is called

**A \_\_\_\_** filing

**B \_\_\_\_** trimming

**C \_\_\_\_** floating

**D \_\_\_\_** curetting