**Course**: Veterinary Science

**Test Name**: 2024 Louisiana FFA Area 4 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:** Which type of fracture has an angular break diagonal to the long axis?

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

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

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

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

**3:** Which species nearly went extinct in the wild due to poachers trapping them for their pelts?

**A \_\_\_\_** Ferrets

**B \_\_\_\_** Rabbits

**C \_\_\_\_** Chinchillas

**D \_\_\_\_** Guinea Pigs

**4:** Which form of yeast is most commonly found in patients with ear infections?

**A \_\_\_\_** *Malassezia pachydermatis*

**B \_\_\_\_** *Candida albicans*

**C \_\_\_\_** *Coccidioides immitis*

**D \_\_\_\_** *Cryptococcus neoformans*

**5:** Animals can have nutrient deficiencies that lead to muscle spasms or twitching, otherwise known as:

**A \_\_\_\_** Tetany

**B \_\_\_\_** Dystrophy

**C \_\_\_\_** Laxity

**D \_\_\_\_** Myoplasty

**6:** The body needs sunlight to produce which vitamin?

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

**B \_\_\_\_** D

**C \_\_\_\_** E

**D \_\_\_\_** K

**7:** 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

**8:** 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

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

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

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

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

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

**10:** The type of roughage feed produced by fermenting chopped plant parts is**:**

**A \_\_\_\_** Concentrate

**B \_\_\_\_** Sweet feed

**C \_\_\_\_** Silage

**D \_\_\_\_** Hay

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

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

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

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

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

**12:** The "knee" in people is known as what in horses?

**A \_\_\_\_** Hock joint

**B \_\_\_\_** Pastern joint

**C \_\_\_\_** Coffin joint

**D \_\_\_\_** Stifle joint

**13:** The horse is a monogastric animal that can still digest grass. What organ makes this possible?

**A \_\_\_\_** Stomach

**B \_\_\_\_** Salivary gland

**C \_\_\_\_** Small intestine

**D \_\_\_\_** Cecum

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

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

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

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

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

**15:** Which species communicates by standing upright and pounding their rear feet?

**A \_\_\_\_** Hamsters

**B \_\_\_\_** Guinea pigs

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

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

**16:** When a bone is broken cleanly into two pieces it is known as a(an)**:**

**A \_\_\_\_** Simple fracture

**B \_\_\_\_** Compound fracture

**C \_\_\_\_** Spiral fracture

**D \_\_\_\_** Comminuted fracture

**17:** 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

**18:** The fetus receives nutrients through the:

**A \_\_\_\_** Umbilical cord

**B \_\_\_\_** Caudal vena cava

**C \_\_\_\_** Stomach

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

**19:** 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*

**20:** 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

**21:** 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

**22:** The pituitary gland releases hormones that affect all of the following except

**A \_\_\_\_** Blood pressure

**B \_\_\_\_** Kidneys

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

**D \_\_\_\_** Uterus

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

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

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

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

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

**24:** Copper toxicity most affects what organ?

**A \_\_\_\_** Kidney

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

**C \_\_\_\_** Intestines

**D \_\_\_\_** Uterus

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

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

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

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

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

**26:** Which is not typically seen with early diabetes mellitus?

**A \_\_\_\_** Excessive thirst

**B \_\_\_\_** Weight gain

**C \_\_\_\_** Increased urination

**D \_\_\_\_** Increased appetite

**27:** Medical record includes all of the following except:

**A \_\_\_\_** SOAP

**B \_\_\_\_** consent forms

**C \_\_\_\_** POVMR

**D \_\_\_\_** OSHA

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

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

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

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

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

**29:** PPE such as lead aprons, gloves, and thyroid shields are required when taking radiographs (aka x-rays) to protect the veterinary staff from**:**

**A \_\_\_\_** Heel effect

**B \_\_\_\_** Anode

**C \_\_\_\_** Cathode

**D \_\_\_\_** Scatter radiation

**30:** Which infectious disease do mosquitoes transmit to horses?

**A \_\_\_\_** West Nile virus

**B \_\_\_\_** Potomac horse fever

**C \_\_\_\_** Strangles

**D \_\_\_\_** Equine protozoal myelitis

**31:** The estrous cycle in cattle is described as:

**A \_\_\_\_** Year round polyestrous

**B \_\_\_\_** Anestrous

**C \_\_\_\_** Induced ovulators

**D \_\_\_\_** Seasonally polyestrous

**32:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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*

**33:** Several factors are important when housing rabbits to avoid disease, including the absence of:

**A \_\_\_\_** Light

**B \_\_\_\_** Drafts

**C \_\_\_\_** Wire

**D \_\_\_\_** Nest boxes

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

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

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

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

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

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

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

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

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

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

**36:** The most common route for administering vaccines in cats and dogs is

**A \_\_\_\_** IV

**B \_\_\_\_** ID

**C \_\_\_\_** IN

**D \_\_\_\_** SQ

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**41:\_\_\_\_\_\_\_\_\_** tissue is also referred to as fat.

**A \_\_\_\_** Corium

**B \_\_\_\_** Adipose

**C \_\_\_\_** Striated

**D \_\_\_\_** Neuron

**42:** 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

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

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

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

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

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

**44:** The restraint method known as the tail jack is used in what species?

**A \_\_\_\_** Swine

**B \_\_\_\_** Ovine

**C \_\_\_\_** Canine

**D \_\_\_\_** Bovine

**45:** Dogs at high risk for developing gastric dilation volvulus typically share what characteristic?

**A \_\_\_\_** Short nose

**B \_\_\_\_** Long body

**C \_\_\_\_** Deep chest

**D \_\_\_\_** Pendulous abdomen

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

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

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

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

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

**47:** Which breed of cat has a complete lack of tail due to breed characteristics/standards?

**A \_\_\_\_** Manx

**B \_\_\_\_** Ocicat

**C \_\_\_\_** Bombay

**D \_\_\_\_** Abyssinian

**48:** Which heart chamber has the thickest wall?

**A \_\_\_\_** Right atrium

**B \_\_\_\_** Left atrium

**C \_\_\_\_** Right ventricle

**D \_\_\_\_** Left ventricle

**49:** What is another name for the voice box?

**A \_\_\_\_** Soft palate

**B \_\_\_\_** Epiglottis

**C \_\_\_\_** Pleura

**D \_\_\_\_** Larynx

**50:** Which animal is not monogastric?

**A \_\_\_\_** Goat

**B \_\_\_\_** Horse

**C \_\_\_\_** Cat

**D \_\_\_\_** Dog