Veterinary Science Essentials

Veterinary Science · Answer Key · 20 Questions

1. Which organ is responsible for the secretion of insulin in domestic mammals?

A) Liver
B) Pancreas
C) Adrenal gland
D) Gallbladder

2. What is the primary function of the abomasum in ruminant animals?

A) Fermentation of fiber
B) Absorption of water
C) True glandular digestion
D) Mechanical breakdown of food

3. Which heart chamber is responsible for pumping oxygenated blood to the systemic circulation?

A) Right atrium
B) Right ventricle
C) Left atrium
D) Left ventricle

4. What is the causative agent of feline panleukopenia?

A) Parvovirus
B) Coronavirus
C) Calicivirus
D) Herpesvirus

5. Which substance is the most common cause of chocolate toxicity in dogs?

A) Caffeine
B) Theobromine
C) Lactose
D) Ethylene glycol

6. In veterinary anatomy, what is the term for the movement of a limb toward the median plane of the body?

A) Abduction
B) Adduction
C) Flexion
D) Extension

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7. What is the normal gestation period of a domestic cat?

A) 50-55 days
B) 63-65 days
C) 80-85 days
D) 100-110 days

8. Which type of bone fracture involves the bone breaking into multiple fragments?

A) Greenstick
B) Transverse
C) Comminuted
D) Spiral

9. Which cranial nerve is responsible for the sense of smell?

A) Optic nerve
B) Trigeminal nerve
C) Olfactory nerve
D) Facial nerve

10. What is the primary site of nutrient absorption in the canine small intestine?

A) Duodenum
B) Jejunum
C) Ileum
D) Cecum

11. Which hormone is essential for the initiation of labor in mares?

A) Oxytocin
B) Progesterone
C) Testosterone
D) Insulin

12. What does a 'PCV' blood test measure in veterinary practice?

A) Platelet count
B) Packed cell volume
C) Protein cellular velocity
D) Plasma cholesterol value

13. Which animal species is considered an 'induced ovulator'?

A) Dog
B) Cat
C) Horse
D) Cow

14. Which part of the avian respiratory system is responsible for the primary exchange of gases?

A) Trachea
B) Air sacs
C) Parabronchi
D) Syrinx

15. What is the main function of the gall bladder in species that possess one?

A) Synthesis of bile
B) Storage and concentration of bile
C) Production of digestive enzymes
D) Filtering toxins from blood

16. Which vitamin is synthesized by the microflora in the rumen of cattle?

A) Vitamin A
B) Vitamin D
C) Vitamin B12
D) Vitamin C

17. What characterizes a zoonotic disease?

A) It only affects wild animals
B) It is transmitted from animals to humans
C) It is specific to birds
D) It is caused solely by fungi

18. Which cells are responsible for the production of antibodies in the immune system?

A) B-lymphocytes
B) Erythrocytes
C) Thrombocytes
D) Neutrophils

19. What is the scientific term for the inflammation of the bladder?

A) Gastritis
B) Cystitis
C) Nephritis
D) Enteritis

20. Which mineral is essential for the synthesis of thyroid hormones?

A) Calcium
B) Iron
C) Iodine
D) Magnesium