

2019 Tarleton State University Area
Veterinary Science
Exam

1. What are the anatomical differences between the oviducts of most mammals and the oviducts of poultry?
 - A. Mammals have one oviduct.
 - B. Mammals do not have oviducts.
 - C. Poultry have one oviduct.
 - D. Poultry do not have oviducts.
2. Which breed of swine is characterized by being black in color with four white feet and/or legs, a short wrinkled snout, and medium erect ears?
 - A. Berkshire
 - B. Spots
 - C. Hampshire
 - D. Hereford
3. One of the fastest means of getting drugs into the bloodstream is:
 - A. Orally
 - B. Intravenously
 - C. Intranasally
 - D. Topically
4. Which of the following parasites is considered an endoparasite?
 - A. Ticks
 - B. Hookworms
 - C. Fleas
 - D. Mites
5. The soft “v” shaped tissue in the center of the bottom of the horses hoof:
 - A. Sole
 - B. Frog
 - C. White line
 - D. Wall
6. A mature female of the porcine species that has produced young:
 - A. Gilt
 - B. Hen
 - C. Sow
 - D. Ewe

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7. Which zoonotic disease is fatal in humans?
 - A. Parvovirus
 - B. Corona
 - C. Rabies
 - D. Scabies

8. A veterinarian has diagnosed an animal with typhus, which is a zoonotic disease. Zoonotic means:
 - A. A device that measures the amount of radiation someone is exposed to when performing radiology.
 - B. Refers to the back.
 - C. Precautions taken to prevent contamination of a surgical wound.
 - D. Disease that can be transmitted between animals and humans.

9. An animal is vaccinated for rabies. Rabies is caused by:
 - A. A rhabdovirus
 - B. Fungus
 - C. Bacteria
 - D. Parvo virus

10. In most species, what are the kidneys shaped like?
 - A. Pears
 - B. Beans
 - C. Clovers
 - D. Circles

11. What are the two factors that determine or influence an animal's disposition?
 - A. housing and genetic make-up
 - B. genetic make-up and environmental situation
 - C. nutrition and housing
 - D. environmental situation and nutrition

12. Giving birth in sheep is known as _____.
 - A. ramming
 - B. kidding
 - C. farrowing
 - D. lambing

13. Grass tetany is a result of:
 - A. Phosphorous deficiency
 - B. Nitrogen deficiency
 - C. Nitrogen overload
 - D. Magnesium deficiency

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14. _____ is essential for organ structure, nutrient transport and energy utilization.
- A. Sulfur
 - B. Protein
 - C. Phosphorus
 - D. Calcium
15. Anemia is:
- A. A single celled animal.
 - B. A disease that can be transmitted from animals to humans.
 - C. The study of parasites.
 - D. A decrease in the number of red blood cells.
16. An orchiectomy:
- A. Removal of the testes.
 - B. An incision into the thorax.
 - C. Removal of a tumor.
 - D. Removal of the ovaries and uterus.
17. When an animal is presented with an abnormality cranial to a certain body structure, the word cranial means:
- A. Toward the tail
 - B. Toward the head
 - C. Toward the nose
 - D. Closest to the midline
18. Dystocia can be defined as:
- A. Abnormal or difficult birth.
 - B. The process of giving birth.
 - C. A birth in which the offspring enters the birth canal hind end first.
 - D. The carrying of an embryo or fetus.
19. Symptoms of distemper include:
- A. Lameness
 - B. Swollen joints
 - C. Aggression
 - D. Fever, vomiting, diarrhea, nasal secretions, and seizures
20. An example of a fungus is:
- A. Tuberculosis
 - B. Pink Eye
 - C. Sarcoptes
 - D. Ringworm

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21. The normal pulse (bpm) for a pig is:
- A. 70 bpm
 - B. 65 bpm
 - C. 60 bpm
 - D. 75 bpm
22. One disease that is transmitted by the tick is:
- A. Ringworm
 - B. Rocky Mountain Spotted Fever
 - C. Toxoplasmosis
 - D. Salmonella
23. 0.2 L = _____ ml
- A. 2000
 - B. 200
 - C. 20
 - D. 2
24. Cole has been asked to clean the front waiting area of the clinic. With regard to the types of sanitation, which of these best describes "cleaning"?
- A. Solutions that destroy microorganisms or inhibit their growth on living tissue.
 - B. Destroying most microorganisms on nonliving things by physical or chemical means.
 - C. Destroying all microorganisms and viruses on an object using chemicals and/or heat.
 - D. Physically removing all visible signs of dirt and organic matter such as feces, hair, etc.
25. An animal that is comfortable with a halter on its head and that responds to the commands of the person who is leading it is said to be _____.
- A. halter broken
 - B. show ready
 - C. halter responsive
 - D. domesticated
26. What is spermatogenesis?
- A. Process by which sperm are produced by the male.
 - B. Condition in which one or both testicles remain in the body cavity.
 - C. Process by which ova are produced by the female.
 - D. Causes destruction of the cotyledons of the uterus.
27. Referring to the lower or bottom view:
- A. Ventral
 - B. Anterior
 - C. Dorsal
 - D. Cranial

28. Formalin is most commonly used for _____.
- A. Disinfecting
 - B. Flea prevention
 - C. Tissue biopsy
 - D. Copy machine toner
29. While cleaning an exam room, Abby uses a disinfectant. This is:
- A. something that contaminates surfaces
 - B. A chemical agent that kills, or inhibits the growth of microorganisms on inanimate objects.
 - C. a washcloth and hot water
 - D. a chemical agent that allows that growth of microorganisms on inanimate objects
30. Nebulized is defined as:
- A. Turned into a liquid
 - B. Turned into molecules
 - C. Turned into oxygen
 - D. Turned into a fine mist
31. With your veterinarian's permission, what medication can you give your dog if they have an allergic reaction?
- A. Benadryl
 - B. Frontline
 - C. Advil
 - D. Pepto-Bismol
32. Which of the following is most important to schedule first when making appointments?
- A. Heartworm Checks
 - B. Customer Preference
 - C. Annual Appointments
 - D. Emergencies
33. A compound fracture is one in which:
- A. The break is on one side of the bone.
 - B. The bone shatters in the many pieces.
 - C. The break is along the axis of a bone.
 - D. The bone breaks through the skin.

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34. After autoclaving a surgical pack, you notice that the autoclave tape looks the same as it did when you placed it in the autoclave. What should you do now?
- A. Just hide the pack so you do not get in trouble for it not being sterilized.
 - B. Place the pack with the others – there is no reason to be concerned about the sterility of the instruments.
 - C. Place the pack to the side and do not allow it to be used because the sterility of the pack is questionable.
 - D. Open the pack to check the instruments for sterility. If they look clean, they can be used.
35. The clinical signs of heartworm are:
- A. vomiting, deep cough, anemia
 - B. deep cough, irregular heart beat, exercise intolerance
 - C. irregular heart beat, anemia, exercise intolerance
 - D. anemia, deep cough, irregular heart beat
36. Adam has just assisted in restraining a Lhasa Apso for an IM injection. The RVT that gave the injection must now dispose of the needle and syringe. Where must all needles and syringes be disposed of?
- A. A dumpster
 - B. A trashcan
 - C. A bottle
 - D. A sharps container
37. What does Brucellosis cause?
- A. Respiratory viral disease that causes infertility.
 - B. A sterile female calf born twin to a male calf.
 - C. A decrease in the production of sperm in the male.
 - D. Abortions typically in the second half of pregnancy.
38. The study of disease causes:
- A. Pathology
 - B. Etiology
 - C. Caudal
 - D. Anatomy
39. What is the purpose of the infundibulum?
- A. To contract during labor.
 - B. To expel the fetus.
 - C. To transport the egg from the ovary to the oviduct.
 - D. To give nourishment to the fetus.

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40. Anthrax is a _____ disease of livestock.
- A. Zoonotic
 - B. Fungal
 - C. Bacterial
 - D. Parasitic
41. Which internal parasite is the most common in puppies and kittens?
- A. Hookworm
 - B. Whipworm
 - C. Roundworm
 - D. Giardia
42. What is the vector for heartworms?
- A. Flea
 - B. Tick
 - C. Lice
 - D. Mosquito
43. Immunity is defined as:
- A. Slow and painful abscess
 - B. Rhabdovirus
 - C. Not being able to tolerate disease
 - D. Having resistance to a disease due to the formation of antibodies.
44. An animal is being given a vaccine. Vaccine is defined as
- A. A suspension of killed or modified microorganisms that stimulate an immune response when introduced into the body
 - B. Swelling and inflammation
 - C. Having no resistance to disease
 - D. More susceptible to disease
45. Luke, a border collie, has a problem in the left side of the heart. What other problem will likely occur?
- A. Nerve Degeneration
 - B. Lung congestion
 - C. Osteoporosis
 - D. Ascites
46. Aseptic technique is:
- A. Precautions taken to prevent contamination of a surgical wound.
 - B. Swabbing for a bacteria culture
 - C. Cleaning surfaces with bleach
 - D. A chemical agent that kills or prevents the growth of microorganisms

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47. What parasite transmits Lyme disease?

- A. *Dirofilaria immitis*
- B. Heartworm
- C. Lice
- D. Tick

48. Mary is studying the physiology of the body systems. Which of these is a function of the circulatory system?

- A. Respiration for the body
- B. Transportation of nutrients, blood cells, gases, etc.
- C. Urination of waste products
- D. Protection of the body

49. Cat litter pans and gardening are the most common sources for which protozoan?

- A. *Ancyloplasma*
- B. *Toxoplasma*
- C. *Coccidia*
- D. *Giardia*

50. Fran is doing research on pathogens. A pathogen is:

- A. Precautions taken to prevent contamination of a surgical wound.
- B. Refers to the back.
- C. Disease that can be transmitted between animals and humans.
- D. A microorganism that produces disease.

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2019 Tarleton State University Area
Veterinary Science
Written Test

KEY

- | | |
|-------|-------|
| 1. C | 26. A |
| 2. A | 27. A |
| 3. B | 28. C |
| 4. B | 29. B |
| 5. B | 30. D |
| 6. C | 31. A |
| 7. C | 32. D |
| 8. D | 33. D |
| 9. A | 34. C |
| 10. B | 35. B |
| 11. B | 36. D |
| 12. D | 37. D |
| 13. D | 38. B |
| 14. C | 39. C |
| 15. D | 40. C |
| 16. A | 41. C |
| 17. B | 42. D |
| 18. A | 43. D |
| 19. D | 44. A |
| 20. D | 45. B |
| 21. A | 46. A |
| 22. B | 47. D |
| 23. B | 48. B |
| 24. D | 49. B |
| 25. A | 50. D |