

2013 FFA Veterinary Science Career Development Event Questions

1. White Muscle disease is caused by a diet insufficient in levels of :
 - A. Calcium
 - B. Selenium
 - C. Phosphorus
 - D. Iron
2. "Founder" is also known as :
 - A. Paresis
 - B. Mycosis
 - C. Laminitis
 - D. Mydriasis
3. In swine , a female pigs that have never had a litter are called:
 - A. Barrows
 - B. Gilts
 - C. Wethers
 - D. Geldings
4. A sterile condition where no living organisms exist defines:
 - A. Azotemic
 - B. Asepsis
 - C. Disinfected
 - D. Sanitized
5. Which of the following is NOT used to repair bone fractures?
 - A. Metzenbaum rods
 - B. Steinmann pins
 - C. Kirschner wires
 - D. Screws & plates
6. A laryngoscope is comprised of 3 main parts: a handle, a light & _____ :
 - A. A chamber
 - B. A cuff
 - C. Blades
 - D. A cone
7. Zinc sulfate is :
 - A. A deworming medication
 - B. A solution used for fecal flotation
 - C. A disinfectant
 - D. A stain used to diagnose corneal ulcers

8. The “egg” stage in the life cycle of a louse is called:
 - A. Pupae
 - B. Larvae
 - C. Nymph
 - D. Nit
9. A dosimeter typically is used to measure:
 - A. Radiation exposure levels
 - B. Liquid medication volumes
 - C. Anesthetic levels
 - D. I.V. fluid rates
10. Which of the following surgical instruments is used to cut or remodel bone?
 - A. Russian forcep
 - B. Osteotome
 - C. Malleable retractor
 - D. Crile forcep
11. The parasite *Dirofilaria immitis* is known by the common name:
 - A. Hookworm
 - B. Tapeworm
 - C. Heartworm
 - D. Fluke
12. What title has been given to the principle law each state uses to oversee the profession of veterinary medicine?
 - A. The Veterinary Sanction
 - B. The Practice Act
 - C. The Regulation Authority
 - D. The Rules for Conduct Code
13. The acronym SOAP refers to :
 - A. Schedule, Observe, Assign, Proceed
 - B. State Official Authority Permit
 - C. Subjective, Objective, Assessment, Plan
 - D. Surgical Operation Anesthetic Protocol
14. Legally, all entries made to a medical record should be:
 - A. Initialed by the person making the entry
 - B. Erased if an error occurs
 - C. Written by the attending veterinarian only
 - D. Written in pencil

15. All of the following are “reportable” diseases EXCEPT:
- A. Scrapie
 - B. Rabies
 - C. Lyme
 - D. Brucellosis
16. U.S.D.A. refers to:
- A. United States Diagnostic Agency
 - B. Universal Sensitive Data Authority
 - C. Ultimate Screening for Diseased Animals
 - D. United States Department of Agriculture
17. All of the following are true regarding Controlled Drugs EXCEPT:
- A. Schedule I drugs have the lowest risk for addiction
 - B. These drugs must be stored in a locked cabinet
 - C. They are required to be inventoried every 2 years
 - D. Classified as Schedule I, Schedule II, Schedule III, Schedule IV & Schedule V
18. Visceral larval migrans are caused by:
- A. Ringworm
 - B. Roundworms
 - C. Whipworms
 - D. Hookworms
19. The optimum temperature for the flea life cycle is:
- A. 90 to 100 degrees F
 - B. 40 to 50 degrees F
 - C. 50 to 60 degrees F
 - D. 65 to 80 degrees F
20. All of the following are true of *Sarcoptes* EXCEPT:
- A. Also known as Scabies
 - B. Transmitted by direct contact
 - C. Known as the “sucking louse”
 - D. Contagious to humans
21. Surgical drapes should be packed using a/an _____ fold technique before being sterilized in the _____.
- A. Accordion, autoclave
 - B. Flute, ultrasonic cleaner
 - C. 4- corner, autoclave
 - D. Triangular, ultrasonic cleaner

22. What does the term “myiasis” refer to?
- A. A mange mite infestation
 - B. A muscle condition that allows the eyes to “cross”
 - C. An infestation of maggots
 - D. The larval stage of the canine heartworm
23. *Ancylostoma caninum* and *Uncinaria stenocephala* are types of:
- A. Roundworms
 - B. Hookworms
 - C. Lungworms
 - D. Tapeworms
24. Legally, medical records:
- A. Are the property of the practice/practice owner
 - B. Are able to be placed into storage after 2 years of inactivity
 - C. Are the property of the client
 - D. Both A. and B.
25. “Signalment” refers to :
- A. The client’s contact information for telephone numbers/e-mail address
 - B. The patient’s species, breed, age, sex, spayed or neutered status
 - C. The ill animal’s symptoms
 - D. Billing codes on the client’s file
26. O.S.H.A. represents:
- A. Official State Health Agency
 - B. Official State Horticulture Association
 - C. Occupational Safety and Health Administration
 - D. Occupational State Health Association
27. Which of the following statements is NOT true of Lyme disease?
- A. It is caused by a bacteria
 - B. It is transmitted via deer ticks
 - C. Victims experience achy joints and elevated temperatures
 - D. It is caused by a virus
28. A “zoonotic” disease pertains to a disease that:
- A. Involves only warm-blooded animals
 - B. Involves only exotic animals
 - C. Is of no health concern to human beings
 - D. Can be transmitted from animals to humans

29. Proglottids are associated with which of the following parasites?
- A. Whipworms
 - B. Tapeworms
 - C. Roundworms
 - D. Hookworms
30. *Fasciola hepatica* is the liver fluke found in:
- A. Dogs
 - B. Cats
 - C. Horses
 - D. Ruminants
31. What name is given to the anesthetic machine component that holds the liquid anesthetic and changes it into a gas form?
- A. Flowmeter
 - B. Manometer
 - C. Vaporizer
 - D. Inhalation valve
32. What is the name of the opening along the side of an endotracheal tube that acts as an emergency passage for air when the primary opening becomes occluded?
- A. The Winston hole
 - B. The Murphy eye
 - C. The dual access port
 - D. The Sheridan gap
33. Which of the following surgical instruments has scissors built into the jaws?
- A. Mayo-Hegar needle holders
 - B. Backhaus towel clamp
 - C. Rochester-Ochsner forceps
 - D. Olsen-Hegar needle holders
34. *Dermacentor variabilis*, the American dog tick, is also known as:
- A. The deer tick
 - B. The wood tick
 - C. The Rocky Mountain spotted fever tick
 - D. The brown dog tick
35. The letters MSDS represent:
- A. Medical State Department for Sciences
 - B. Material Safety Data Sheet
 - C. Military Scientific Disease Statistics
 - D. Medical State Department Standards

36. The pinworm, *Enterobius vermicularis*, is known to infect:
- A. Dogs
 - B. Cats
 - C. Humans
 - D. Horses
37. All of the following are true statements regarding Toxoplasmosis EXCEPT:
- A. It is caused by the protozoan *Toxoplasma gondii*
 - B. It can be ingested in undercooked meat
 - C. It can cause birth defects in the fetus of pregnant women
 - D. It is a disease caused by bacteria.
38. What causes cutaneous larval migrans?:
- A. Hookworms
 - B. Roundworms
 - C. Whipworms
 - D. Ringworm
39. Which of the following statements is false regarding the *Demodex canis* mite ?
- A. This mite is long-legged and round in shape.
 - B. In low population numbers, this mite is considered to be “normal” in dogs.
 - C. This mite has a long, cylindrical shape and short legs.
 - D. This mite can cause “generalized mange” in immune-compromised dogs.
40. The term “Cystitis” refers to:
- A. An inflammation involving the urinary bladder
 - B. An inflammation of a fluid-filled growth
 - C. An infection in the kidney or kidneys
 - D. A malignant skin tumor
41. Which of the following best defines the term “Lacrimal”?
- A. Pertaining to the production of milk by the mammary glands
 - B. Pertaining to inadequate digestive enzymes
 - C. Pertaining to the glands that produce tears
 - D. Pertaining to an inflammatory condition involving the sole of a horse’s hoof
42. The condition, known as Rickets, is caused by a dietary imbalance of:
- A. Vitamin A
 - B. Vitamin C
 - C. Calcium and Phosphorus
 - D. Selenium
43. Which breed is used most often in dairy herds?
- A. Jersey
 - B. Guernsey

- C. Holstein
 - D. Milking Shorthorn
44. The Modified Knott Technique is used to test for the presence of which parasite?
- A. Roundworms
 - B. Heartworms
 - C. Mange mites
 - D. Lice
45. The cephalic vein is located in the:
- A. Front leg
 - B. Brain
 - C. Neck
 - D. Tail
46. The term pruritis is defined as:
- A. A localized hoof infection
 - B. An ulcer within the stomach lining
 - C. A swollen tongue
 - D. Itching or scratching
47. Which of the following is the definition of the term dyspnea?
- A. Bone spur on a vertebra
 - B. Difficult breathing
 - C. Purring
 - D. An accumulation of gas in the stomach
48. The "true stomach" in a ruminant's digestive tract is the:
- A. The omasum
 - B. The reticulum
 - C. The abomasum
 - D. The rumen
49. The red breed of swine that is known for feed efficiency and a lean carcass is the:
- A. Duroc
 - B. Hampshire
 - C. Landrace
 - D. Yorkshire
50. A capnograph measures levels of :
- A. Carbon dioxide
 - B. Oxygen
 - C. Potassium
 - D. Creatinine

2013 Vet Science Exam Key

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