



Veterinary Science Career Development Event

WRITTEN PORTION – MULTIPLE CHOICE

1. Proper ventilation in a closed animal facility is important for all of the following except:
 - a. fresh oxygen
 - b. flushing out microbes
 - c. allows proper lighting
 - d. removes heat
2. Bone types include:
 - a. long, short, irregular, and flat
 - b. long, short, irregular, and round
 - c. long, short, regular, and flat
 - d. long, short, regular, and round
3. The scientific name for the dog species is:
 - a. *Canis lupus*
 - b. *Canis familiaris*
 - c. *Canis domestica*
 - d. *Canis carnivora*
4. Which of the following is not a major mineral?
 - a. Iron
 - b. Calcium
 - c. Potassium
 - d. Chloride
5. Which of the following is the most common kind of restraint:
 - a. psychological
 - b. physical
 - c. chemical
 - d. hypnosis
6. All of the following are true about rabies except:
 - a. it is caused by a virus
 - b. is also known as hydrophobia
 - c. only occurs in mammals
 - d. can be treated with antibiotics
7. Dermatitis is the inflammation of the
 - a. skin
 - b. muscle
 - c. lungs
 - d. intestines
8. The most essential part of every animal's diet is
 - a. fats
 - b. carbohydrates
 - c. vitamins
 - d. water
9. The prefix _____ means away from
 - a. ad-
 - b. ab-
 - c. ex-
 - d. endo-

10. The term for a lack of development of an organ or tissue or a cell
- a. aplasia
 - b. hypoplasia
 - c. neoplasia
 - d. anaplasia
11. An example of a mesocephalic dog breed is
- a. pug
 - b. collies
 - c. greyhounds
 - d. labrador
12. Which type of fracture has an angular break diagonal to the long axis?
- a. greenstick
 - b. comminuted
 - c. oblique
 - d. transverse
13. When bones abnormally bend out without breaking, it is known as
- a. valgus
 - b. varus
 - c. transverse
 - d. avulsion
14. During molting, hens will decrease egg production because their bodies are depleted of
- a. fiber
 - b. Vitamin E
 - c. Zinc
 - d. Calcium
15. Controlled substances are kept in a locked cabinet and are regulated by
- a. IACUC
 - b. DEA
 - c. FDA
 - d. AWA
16. Medical record includes all of the following except:
- a. SOAP
 - b. consent forms
 - c. POVMR
 - d. OSHA
17. Most human directed aggression in dogs is
- a. dominance
 - b. from abuse
 - c. fear related
 - d. breed related
18. Abnormal respiratory sounds include all the following except
- a. wheezes
 - b. gurgling
 - c. crackles
 - d. murmurs
19. Protein, fats, and _____ are nutrients that supply energy.
- a. water
 - b. carbohydrates
 - c. fiber
 - d. vitamins
20. The average gestation length of a female cat is
- a. 45 days
 - b. 65 days
 - c. 55 days
 - d. 75 days

21. Increased serum glucose may indicate all of the following except:

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| a. Addison's disease | c. diabetes mellitus |
| b. excitement | d. stress |

22. _____ media blank are media that prevent the growth of some types of organisms and are used to facilitate isolation of organisms from mixed cultures.

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| a. enrichment | c. selective |
| b. differential | d. transport |

23. Treatment for feline heartworm disease includes:

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| a. adulticide | c. both a and b |
| b. microfilaricide | d. there is no safe and effective treatment |

24. Illnesses in neonate patients that require immediate attention include all of the following except:

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| a. hypothermia | c. weight loss |
| b. dehydration | d. hypoglycemia |

25. All of the following are examples of holistic medicine except:

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| a. rehabilitation | c. acupuncture |
| b. chiropractic | d. vaccines |

26. There are some drugs that are safe to deliver through an endotracheal tube in an emergency situation. They are easily remembered through the acronym NAVEL. The "A" stands for:

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| a. atropine | c. acepromazine |
| b. acetaminophen | d. atipamezole |

27. Anesthesia is induced rapidly in what species?

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| a. cats | c. dogs |
| b. horses | d. pigs |

28. Absorbable suture lose most of their breaking strength within _____ days.

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| a. 30 | c. 90 |
| b. 60 | d. 120 |

29. _____ are believed to be the first domesticated animals.

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|--------|----------|
| a. Cat | c. cow |
| b. Dog | d. horse |

30. _____ investigate diseased tissue in humans and animals.

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| a. Geneticists | c. zoologists |
| b. Cytologists | d. histopathologists |

31. The _____ regulates the commercial pet food industry and ensures that foods are uniformly labeled and marketed.
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| a. AAFCO | c. USDA |
| b. OSHA | d. IACUC |
32. _____ in dogs cause a cloudy, white opacity of the lens. This disease may be hereditary or nonhereditary and usually cause blindness when fully developed.
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| a. glaucoma | c. cataracts |
| b. retinal atrophy | d. corneal abrasions |
33. _____, also referred to as feline infectious enteritis or cat distemper, is caused by a parvovirus or DNA virus.
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|--------------------|----------------|
| a. Panleukopenia | c. Calicivirus |
| b. Rhinotracheitis | d. Pneumonitis |
34. The Boston terrier is considered part of what AKC group?
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| a. Toy | c. Non-Sporting |
| b. Terrier | d. Herding |
35. Correct rabbit restraint is important because when frightened they can kick hard enough to fracture it's
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|----------|-----------|
| a. foot | c. radius |
| b. tibia | d. spine |
36. The most important disease is hamster enteritis, also referred to as _____
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|-------------|-------------|
| a. snuffles | c. scours |
| b. parvo | d. wet tail |
37. _____ species of rat was the major reservoir for the black plague that killed more than one-fourth of the European population during the 1300's.
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|--------------------------|-------------------------------|
| a. <i>Rattus rattus</i> | c. <i>Rattus norvegicus</i> |
| b. <i>Rattus auratus</i> | d. <i>Rattus unguiculatus</i> |
38. _____ are known as the powerhouse of the cell.
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|--------------------------|--------------------|
| a. lysosomes | c. golgi apparatus |
| b. endoplasmic reticulum | d. mitochondria |
39. Tendons connect _____ to _____.
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| a. muscle; bone | c. muscle; muscle |
| b. bone; bone | d. muscle; ligaments |
40. Tachycardia describes a _____ heart rate.
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| a. fast | c. slow |
| b. normal | d. non existent |

41. What controls the normal rate of respiration?

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| a. carbon dioxide | c. oxygen |
| b. lungs | d. brain |

42. What species of animal has lobulated kidneys?

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| a. cat | c. dog |
| b. horse | d. cow |

43. _____ is hardest substance in the body.

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| a. dentin | c. enamel |
| b. bone | d. cementum |

44. How many cranial nerves are in the central nervous system of a dog?

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| a. 4 | c. 12 |
| b. 8 | d. 16 |

45. Lack of vitamin D prevents normal absorption of calcium and prevents adequate deposition in the bone. If this deficiency occurs in the young it results in a condition known as:

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| a. rickets | c. brittle bone |
| b. Addison's disease | d. Cushing's disease |

46. Removing the sharp edges of a horse's teeth is called _____

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| a. filing | c. floating |
| b. trimming | d. curetting |

47. Inanimate objects that can facilitate the transfer of diseases are known as _____ (example: water or feed troughs)

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| a. eukaryotes | c. prokaryotes |
| b. fomites | d. vector |

48. What causes ringworm?

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| a. fungi | c. bacteria |
| b. prions | d. worms |

49. All of the following are examples of zoonotic diseases except:

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| a. cutaneous larva migrans | c. toxoplasmosis |
| b. Mad cow disease | d. Johne's disease |

50. _____ is the procedure in which all microorganisms are destroyed.

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| a. disinfection | c. sterilization |
| b. sanitizing | d. cleaning |