**NC FFA VETERINARY SCIENCE CAREER DEVELOPMENT EVENT**

**MULTIPLE CHOICE TEST – FALL 2014 (100 points – 4 points each)**

**Choose the best answer for each question.**

**1. The process of surgically removing the reproductive organs of a female canine is called:**

 **A. Castration**

 ***B. Spay***

 **C. Whelp**

 **D. Wean**

**2. At what age should a mother dog begin to wean her puppies?**

 **A. 0-3 weeks**

 ***B. 4-5 weeks***

 **C. 6-7 weeks**

 **D. 8-9 weeks**

**3. Puppies should start a vaccine program at 6-8 weeks of age for protection from common canine diseases. Which of these is not a common canine puppy disease?**

 **A. Corona Virus**

 **B. Hepatitis**

 **C. Calicivirus**

 **D. Distemper**

**4. Which of these is not a sign of a female dog in estrus?**

 **A. Tongue handing from mouth**

 **B. Swollen vulva**

 **C. Vaginal discharge**

 **D. Licking at the vulva**

**5. A mother’s milk, for the first 24 hours after giving birth, that is full of antibodies to protect the immune system is called:**

 **A. Dystocia**

 **B. Heat**

 **C. Colostrum**

 **D. Lordosis**

**6. This disease is a viral infection of dogs that is highly contagious and symptoms include vomiting, bloody and odorous diarrhea, anorexia, lethargy and fever. It is usually fatal in puppies.**

 **A. Parvovirus**

 **B. Tetanus**

 **C. Coccidiosis**

 **D. Rocky Mountain Spotte Fever**

**7. Both sarcoptic and demodectic mange ae caused by this parasitic pest.**

 **A. Flea**

 **B. Lice**

 **C. Tick**

 **D. Mite**

**8. Orchidectomy surgery is the removal of this canine organ.**

 **A. Testicles**

 **B. Ovaries**

 **C. Claws**

 **D. Tail**

**9. Noramally cats have four toes, however a cat with extra toes is called:**

 **A. Catus**

 **B. Polydactyl**

 **C. Feral**

 **D. Hooded**

**10. Which of these is not a sign of a female cat in estrus?**

 **A. Chewing on objects**

 **B. Growling**

 **C. Nesting**

 **D. Vocal**

**11. The gestation period in cats is between:**

 **A. 50-55 days**

 **B. 60-65 days**

 **C. 70-75 days**

 **D. 80-85 days**

**12. The part of an animal cell that is located in the middle and is considered the brain of the cell is:**

 **A. Mitochondira**

 **B. Cytoplasm**

 **C. Vacuole**

 **D. Nucleus**

**13. Infection often leads to this protective response to injury that result in pain, swelling and redness. What is this response?**

 **A. Inflammation**

 **B. Tumor**

 **C. Meiosis**

 **D. Homeostasis**

**14. This is the primary organ of the Renal System in animals.**

 **A. Kidneys**

 **B. Brain**

 **C. Heart**

 **D. Hypothalamus**

**15. Sound waves enter the ear and travel in this order through to the inner ear.**

 **A. Ossicles, pinna, auditory canal, and tympanic membrane**

 **B. Auditory canal, ossicles, tympanic membrane and pinna**

 **C. Pinna, auditory canal, tympanic membrane and ossicles**

 **D. Tympanic membrane, ossicles, pinna and auditory canal.**

**16. Which of these is not an essential nutrient needed by animals?**

 **A. Pathogen**

 **B. Carbohydrates**

 **C. Water**

 **D. Protein**

**17. In a typical animal’s diet, this nutrient makes up the largest part or approximately 75% of the ration.**

 **A. Protein**

 **B. Vitamins**

 **C. Fats**

 **D. Carbohydrates**

**18. The unit of measurement that defines the energy in food is:**

 **A. Antioxidants**

 **B. Calories**

 **C. Roughage**

 **D. Dram**

**19. All of these are symptoms of a protein deficiency in an animal except:**

 **A. Dental problems**

 **B. Slow growth**

 **C. Increase appetite**

 **D. Anemia**

**20. There are numerous types of animal diets dependent upon the age of the animal, activity of the animal, and health of an animal. What type of diet should be fed to a cow at calving?**

 **A. Maintenance diet**

 **B. Work diet**

 **C. Growth diet**

 **D. Lactation diet**

**21. All of the following are required on the label for feed except:**

 **A. Palatability**

 **B. Product name**

 **C. Nutrient list**

 **D. Manufacturer name and address**

**22. An animal that displayed the following body language and behavior signs of relaxed, alert, standing or sitting in a comfortable stance with ears up and forward would be interpreted as:**

 **A. The scared animal**

 **B. The angry animal**

 **C. The happy animal**

 **D. The distressed animal**

**23. Which of these is not considered a vital sign of life for normal health of an animal?**

 **A. Weight**

 **B. Heart rate**

 **C. Temperature**

 **D. Capillary refill time**

**24. The normal core body temperature for a dog is:**

 **A. 99-100 degrees**

 **B. 101-102 degrees**

 **C. 103-104 degrees**

 **D. 105-106 degrees**

**25. When examining an animal’s mucous membrane for health a veterinarian would be looking for this color of the gums?**

 **A. Bright red**

 **B. White**

 **C. Light blue**

 **D. Light Pink**