

Veterinary Science CDE

1. The letters CMT represent a test utilized for diagnosing:
 - A. Mastitis (California Mastitis Test)
 - B. Bloat (Compression Motility Test)
 - C. Inflammatory Bowel Disease (Chronic Malabsorption Test)
 - D. Tumors (Carcinoma/Melanoma Test)
2. Balling guns can be made of all of the following **EXCEPT**:
 - A. Metal with a plastic tip
 - B. Plastic only
 - C. Metal with a glass tip
 - D. Metal only
3. Intranasal medications should be administered to sheep using:
 - A. A syringe & 18 gauge needle
 - B. A syringe & 14 gauge needle
 - C. A needleless syringe
 - D. A syringe & 22 gauge needle
4. Name the piece of equipment shown in this image:

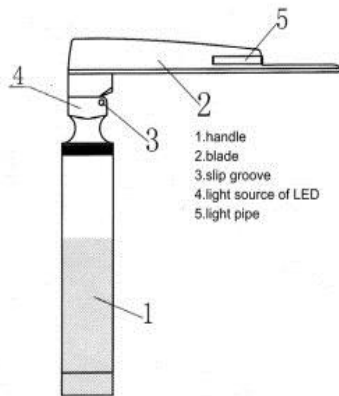


Image credit: jnrveterinary.en.made-in-china.com

- A. Otoscope
 - B. Laryngoscope
 - C. Ophthalmoscope
 - D. Arthroscope
5. Which part of a sheep's hoof is **NOT** routinely trimmed ?
 - A. The outer hoof wall
 - B. The inner hoof wall
 - C. The toe
 - D. The heel

6. A castrated male sheep is known as a:
 - A. Barrow
 - B. Freemartin
 - C. Wether
 - D. Hob
7. Vibriosis in cattle is caused by:
 - A. The toxin of *Clostridium tetani*
 - B. The bacteria *Campylobacter fetus*
 - C. The bacteria *Chlamydia abortus*
 - D. A Herpesvirus
8. In cattle, the disease Pasteurellosis, effects the:
 - A. Mammary glands & milk
 - B. Digestive system
 - C. Cardiovascular system
 - D. Respiratory system
9. *E. coli* & *Salmonella spp.* bacterial infections, typically cause _____ in calves:
 - A. Scours
 - B. Pneumonia
 - C. Lock jaw
 - D. Blackleg
10. Adult dogs should have _____ teeth.
 - A. 36
 - B. 30
 - C. 28
 - D. 42
11. The lower jaw of a dog is known as the:
 - A. Mandible
 - B. Maxilla
 - C. Zygomatic Arch
 - D. Occipital
12. One organ located in the thorax is :
 - A. The bladder
 - B. The heart
 - C. The spleen
 - D. The liver

13. Fluorescein dye is used to :
- A. Diagnose lice in cattle
 - B. Treat maggots & fly strike
 - C. Diagnose corneal damage
 - D. Indicate a cow has been bred by a bull
14. Of the following, which sites are preferred for blood collection in rabbits?
- A. Carotid arteries & Jugular veins
 - B. Saphenous veins & Carotid arteries
 - C. Cephalic veins & Caudal tail vein
 - D. Marginal ear veins & Jugular veins
15. Name this breed of sheep, known for pricked ears, wool-free faces & legs:

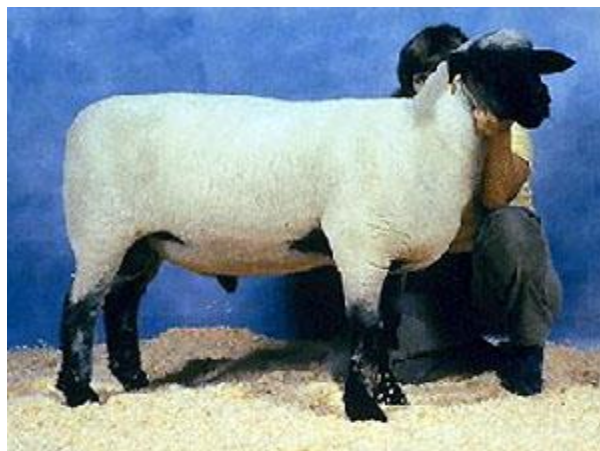


Photo credit: ansi.okstate.edu

- A. Corriedale
 - B. Columbia
 - C. Merino
 - D. Cheviot
16. This breed has dark , wool-free face below the eyes & mostly wool-free lower legs:

Photo credit: ansi.okstate.edu

- A. Suffolk
- B. Hampshire
- C. Lincoln
- D. Galway



17. *Melophagus ovinus* is the scientific name for the parasite known as:
- A. The sheep ked (a non-winged, hairy, blood-sucking ectoparasite)
 - B. A species of sheep tapeworm (an intestinal parasite)
 - C. One species of sheep tapeworm (known for oocysts rather than eggs)
 - D. Sand flies (also known as gnats)
18. Anthelmintics are administered to sheep as :
- A. A topical antibiotic treatment
 - B. A pour-on insecticide
 - C. An anti-viral inoculation
 - D. A deworming medication
19. Nutritional Myodegeneration, caused by insufficient levels of Selenium or Vitamin E, is also known as _____.
- A. Grass Tetany
 - B. White Muscle Disease
 - C. Orf
 - D. Lumpy Jaw
20. Which disease occurs when *Mycobacterium paratuberculosis* is spread from ill cows to their calves via fecal-oral transmission. Clinical signs typically occur after the calves are 24 months old & include chronic diarrhea and marked weight loss. Currently, no treatment exists for this terminal disease.
- A. Infectious Bovine Rhinotracheitis
 - B. Anthrax
 - C. Johne's Disease
 - D. Foot and Mouth Disease
21. Identify this piece of equipment.



Photo credit: veterinaryconcepts.com

- A. Mouth speculum
- B. Dental rasp/ float
- C. Balling gun
- D. Barnes dehorner

22. One issue, seen in cows that have recently calved, is to have extremely low levels of calcium within the bloodstream. This metabolic disease is known as Hypocalcemia or Milk Fever. Clinical signs can include:
- A. Poor mobility
 - B. Muscle twitches
 - C. Weakness
 - D. All of the above
23. Jaundice is the term used to define the condition when skin and other tissue membranes take on a yellow appearance due to an increased level of bilirubin within the body. Another term for this condition is:
- A. Icterus
 - B. Melena
 - C. Ileus
 - D. Tenesmus
24. Coprophagia is a naturally occurring habit seen in rabbits. By eating these cecotropes or night feces, they ingest increased levels of protein and _____ :
- A. Vitamin C & Vitamin E
 - B. Vitamin D
 - C. Vitamin A
 - D. Vitamin B & Vitamin K
25. Common intermediate hosts for the liver flukes that create health risks for sheep are:
- A. Snails
 - B. Face flies
 - C. Ticks
 - D. Horn flies
26. Often labeled the “barber pole worm”, this parasite in sheep can cause anemia and is one cause for the build-up of fluid along the lower jaw, known as “bottle jaw”:
- A. Lungworm (*Dictyocaulus* spp.)
 - B. Stomach worm (*Haemonchus contortus*)
 - C. Ringworm (*Microsporium* spp.)
 - D. Coccidia (*Isospora* spp.)
27. Which of the following deworming medications are approved for administration in sheep?
- A. Levamisole and Moxidectin
 - B. Ivermectin and Albendazole
 - C. Both A. and B.
 - D. None of the above

28. Dewlaps, the pendulous, fur-covered fold of skin located below the chin, are seen on:
- A. Primarily male rabbits only
 - B. Usually both male and female rabbits
 - C. Primarily female rabbits only
 - D. Newborn bunnies only
29. The pinna in a dog, is known as part of the:
- A. Ear
 - B. Paw
 - C. Nose
 - D. Eye
30. What term is used for the portion of a cat's skeleton that is known as the knee cap in humans?
- A. Carpus
 - B. Patella
 - C. Tarsus
 - D. Stifle
31. Dogs and cats are known for having _____ cervical vertebrae.
- A. Seven
 - B. Thirteen
 - C. Ten
 - D. Five
32. Anatomically, the ilium is known as :
- A. The lower section of the small intestine
 - B. The pigmented area that encircles the pupil in the eye
 - C. The shoulder blade
 - D. The "winged" upper section of the pelvis
33. In rabbits, the typical gestation period is:
- A. 45 - 48 days
 - B. 61 - 63 days
 - C. 30 - 33 days
 - D. 21 - 23 days
34. Heterophils, a type of white blood cell in rabbits, are comparable to the _____ white blood cell found in dogs.
- A. Basophil
 - B. Lymphocyte
 - C. Eosinophil
 - D. Neutrophil

35. Both _____ and _____ are classified as hindgut fermenters.
- A. Dogs and cats
 - B. Horses and rabbits
 - C. Cattle and sheep
 - D. Sheep and goats
36. This bovine and ovine disease, caused by *Clostridium chauvoei* entering a wound, can cause death with little evidence of clinical signs, but can present with a fever, edema, lameness and swelling with crepitation, due to gas beneath the skin's surface.
- A. Orf
 - B. Blackleg
 - C. Anthrax
 - D. Brucellosis
37. Infectious Bovine Keratoconjunctivitis (IBK), in cattle, has the fly as a vector for transmitting the bacteria *Moraxella bovis* . This disease is also known as:
- A. Contagious Ecthyma
 - B. Sore Mouth
 - C. Pinkeye
 - D. Listeriosis
38. Caused by a virus, _____ is spread via contaminated saliva. It can present with the varied clinical signs of prolific salivation, unsteady gait, mental dullness, vocalization, aggressive behavior or progressive paralysis. This zoonotic disease is incurable and fatal.
- A. Tetanus
 - B. Pasteurella
 - C. Sore Mouth
 - D. Rabies
39. Patient medical records are considered, by law, to be the property of:
- A. The veterinarian(s) and the veterinary practice/institution
 - B. The Department of Agriculture
 - C. The client/owner of animal(s)
 - D. Both A. and C.
40. Entries into the veterinary medical record can legally involve any or all of the following methods **EXCEPT**:
- A. Type written/ Computer written
 - B. Hand written using black ink
 - C. Initialed by author
 - D. Hand written using pencil

41. Authorization for the release of patient medical records must be:
- A. Signed by the pet owner
 - B. Signed by a legal adult (> 18 yrs. of age)
 - C. Signed before any details regarding the patient can be shared
 - D. All of the above
42. Tiny, pinpoint areas of hemorrhage are known as:
- A. Petechiae
 - B. Papules
 - C. Hemangiomas
 - D. Comedones
43. When puppies and kittens are born, how many toenails do they normally have on each front foot?
- A. Four
 - B. Five
 - C. Three
 - D. None, as they have to develop after they are whelped/queened
44. Name this sheep equipment item shown in this picture: Image credit: www.sullivansupply.com



- A. Multi-dose syringe
 - B. Otoscope
 - C. Drench gun
 - D. Laryngoscope
45. Rabbits are :
- A. Unable to vomit
 - B. Unable to vocalize
 - C. Unable to survive ingesting a diet having a level of 15% to 20% fiber
 - D. Comprised of a higher percentage of bone than of muscle

46. What species is this blocking stand used for?



Image credit: www.sullivanssupply.com

- A. Canine
 - B. Ovine
 - C. Bovine
 - D. None of the above
47. Using the metric system, what would a dog weighing 85 lbs. weigh in kilograms?
- A. 38.6
 - B. 187
 - C. 28.3
 - D. 52.8
48. An ill cat needs an antibiotic at the rate of 25 mg/kg every 12 hours. The cat weighs 8½ lbs. How many milligrams of the drug will the cat need to be given at each dose?
- A. 96.5 mg
 - B. 467.5 mg
 - C. 212.5 mg
 - D. 106 mg
49. You have been asked to provide a young, orphaned puppy with the kilocalories required daily for her resting energy requirement (RER). If the pup weighs 12 lbs., how many kcal. will you need to feed her daily?
- RER formula is: $30 \times \text{body weight in kg.} + 70 = \underline{\hspace{2cm}}$ kcal. required daily
- A. 190 kcal.
 - B. 233.5 kcal.
 - C. 862 kcal.
 - D. 430 kcal.
50. Genetic immunity is also known as :
- A. Innate immunity
 - B. Inherent immunity
 - C. Both A. and B.
 - D. None of the Above

FFA Veterinary Science CDE 2014 Answer Key

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