

DO NOT WRITE ON EXAM

2019 Tarleton State University Invitational
Veterinary Science
Exam

1. Which of the following is not a disease that affects dogs?
 - A. Black Leg
 - B. Distemper
 - C. Hepatitis
 - D. Rabies

2. In vivo vaccination involves injecting the vaccine into the _____.
 - A. pullet
 - B. embryo in the egg
 - C. hen's uterus
 - D. newborn chick

3. To prevent inhaling gas when you are monitoring anesthesia, it is best for you to stand:
 - A. Away from the patient's head.
 - B. Outside of the room.
 - C. Anywhere in the room.
 - D. Close to the patient's head.

4. A newborn chicken:
 - A. Broiler
 - B. Chick
 - C. Cockerel
 - D. Pullet

5. When a patient is having an ovariohysterectomy performed, the patient is placed in _____ recumbency.
 - A. Dorsal
 - B. Ventral
 - C. Lateral
 - D. Sternal

6. What is the main difference between the testes of mammals and the testes of poultry?
 - A. Mammals have one testicle.
 - B. The testes of poultry do not descend out of the abdominal cavity.
 - C. The testes of mammals do not descend out of the abdominal cavity.
 - D. Poultry have one testicle.

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7. The roundworm is often described as looking like:
 - A. Leech
 - B. Rice
 - C. Spaghetti
 - D. Flake
8. What are the percentages of cells and plasma in blood?
 - A. 50% and 50%, respectively
 - B. 30% and 70%, respectively
 - C. 60% and 40%, respectively
 - D. 40% and 60%, respectively
9. Diseases that can be transmitted to humans are known as:
 - A. Malignant
 - B. Zoonotic
 - C. Benign
 - D. Contagious
10. A mature female of the galline species:
 - A. Hen
 - B. Ewe
 - C. Sow
 - D. Gilt
11. The cardiovascular system is composed of:
 - A. heart, lungs and kidneys
 - B. heart and lungs
 - C. lungs and trachea
 - D. heart and blood vessels
12. What is cryptorchidism?
 - A. Process by which sperm are produced by the male.
 - B. Sterile female calf born twin to a male calf.
 - C. Condition in which one or both testicles remain in the body cavity.
 - D. Causes destruction of the cotyledons of the uterus.
13. Which of the following bedding materials is most commonly used in the small animal clinic?
 - A. Pine Shavings
 - B. Straw
 - C. Blankets and Towels
 - D. Newspaper

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14. Which of the following are the “ABC’s” of cardiopulmonary resuscitation?
- A. Airway, Breathing, Compression
 - B. Always Breath Continuously
 - C. Airway, Breathing, Circulation
 - D. Airway, Bleeding, Compression
15. A normal capillary refill time (CRT) is:
- A. 1-2 seconds
 - B. 4-5 seconds
 - C. 3-4 seconds
 - D. 5+ seconds
16. Which of the following situations would be considered an emergency?
- A. Flea Prevention
 - B. Annual Check-Up
 - C. Runny Stool
 - D. Urinary Blockage
17. What type of connective tissue connects muscles to bones?
- A. blood
 - B. cartilage
 - C. tendon
 - D. ligament
18. The veterinarian is explaining to Sally’s owner how she will be spayed. Spay is defined as:
- A. Swelling and inflammation
 - B. Substance that induces an immune response
 - C. Allergic response
 - D. The common term for removal of female reproductive organs
19. The Occupational Safety and Health Act of ____ established the Occupational Safety and Health Administration in the Department of Labor.
- A. 1970
 - B. 1972
 - C. 1971
 - D. 1969
20. Which of the following needles has the smallest bore?
- A. 16 gauge
 - B. 21 gauge
 - C. 25 gauge
 - D. 20 gauge

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21. What is the common percentage of Brahman and British breeds in American cattle?
- A. 3/5, 2/5 cross
 - B. 3/8, 5/8 cross
 - C. 1/3, 2/3 cross
 - D. 3/7, 4/7 cross
22. Which of the following animals would be classified as a Hound Breed?
- A. Dachshund
 - B. French Bulldog
 - C. Cocker Spaniel
 - D. Chihuahua
23. A good rule to follow when restraining animals for veterinary care is:
- A. Never use ropes when restraining animals.
 - B. Always apply the same amount of restraint: that which is usually tolerated by a member of the species being handled.
 - C. Apply the minimum effective amount of restraint that will keep the animal and personnel safe.
 - D. Apply the maximum amount of restraint possible to ensure the safety of all involved.
24. How long is a dog in estrus?
- A. exactly 15 days
 - B. between 7 – 28 days with a mean of 11 days.
 - C. between 4 – 21 days with a mean of 9 days
 - D. exactly 6 days.
25. The term that means of, or relating to poultry:
- A. Equine
 - B. Porcine
 - C. Galline
 - D. Feline
26. If an animal was suffering from anaphylactic shock, it would be
- A. Slippery white film
 - B. Minerals in the blood stream
 - C. An exaggerated allergic response
 - D. Proteins produced by lymph system

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27. Most surgical instruments are manufactured from _____.
A. Stainless steel
B. Copper
C. Lead
D. Aluminum
28. When in the heart, heartworms congregate in the:
A. Left ventricle
B. Right atrium
C. Left atrium
D. Right ventricle
29. Which artery supplies blood to the head?
A. mesenteric
B. renal
C. iliac
D. carotid
30. A dog that licks his feet, rubs his face, or scratches behind his elbows may be showing signs of:
A. Fatigue
B. Allergy
C. Boredom
D. Hunger
31. Proper protective equipment (PPE) sometimes includes a dosimeter. This is:
A. A device that keeps animals from biting you.
B. Something that covers your face while working with animals.
C. A device that measures the amount of radiation someone is exposed to when performing radiology.
D. Lead gloves
32. To remove a tick you should:
A. Pour alcohol on the tick, then pull it off
B. Use tweezers to grasp the head and pull straight out
C. Cut the tick off with a knife
D. Use a match to burn the tick off
33. Bone Marrow produces:
A. spongy bone
B. calcium and phosphorus
C. periosteum
D. blood cells

34. Which of the following needles would most commonly be used for canine vaccinations?
- A. 25 gauge
 - B. 16 gauge
 - C. 21 gauge
 - D. 20 gauge
35. 1000 mg = _____ g
- A. 1
 - B. .001
 - C. .01
 - D. 10
36. Which breed of dog is less likely to cause human allergies?
- A. Heelers
 - B. Chows
 - C. Schnauzers
 - D. Spaniels
37. A vet diagnosed Bill's lamb with dyspnea. What does this mean?
- A. The lamb has difficulty breathing.
 - B. The lamb has bluish discoloring of its skin.
 - C. The lamb has abnormal heart sounds.
 - D. The lamb has normal breathing.
38. The five types of white blood cells are:
- A. Neutrophil, erythrophil, leukocyte, basophil, eosinophil
 - B. Eosinophil, basophil, neutrophil, lymphocyte, monocyte
 - C. Neutrophil, basophil, eosinophil, granulocytes, acanthocyte
 - D. Thrombocyte, monocyte, neutrophil, lymphocyte, eosinophil
39. What is a freemartin?
- A. Sterile female calf born twin to a male calf.
 - B. Process by which ova are produced by the female.
 - C. Respiratory viral disease that causes infertility.
 - D. Condition in which one or both testicles remain the body cavity.
40. What are the primary functions of the hormones that the ovaries produce?
- A. Sexual behavior and maintenance of pregnancy.
 - B. To give a deeper voice and more defined muscles.
 - C. To maintain weight and pregnancy.
 - D. To give secondary male characteristics and maintain weight gain.

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41. Ideally, a horse should be bedded on:

- A. Straw
- B. Walnut shavings
- C. Newspaper
- D. Wood shavings

42. The abomasum is:

- A. The first compartment of the ruminant stomach.
- B. The fourth compartment of the ruminant stomach.
- C. The second compartment of the ruminant stomach.
- D. The third compartment of the ruminant stomach.

43. What is drenching?

- A. giving a liquid medication orally
- B. washing a sheep thoroughly
- C. hosing down a production facility
- D. milking a dairy goat too often

44. Which of the following is the first of the five steps of the digestive process?

- A. Chemical
- B. Absorption
- C. Mechanical
- D. Peristalsis

45. Lauren is bandaging Bruce, a four year old horse. Leg bandages on horses are started on the _____ part of the leg and wrapped toward the back.

- A. Vertical
- B. Proximal
- C. Lateral
- D. Horizontal

46. A machine that spins samples very rapidly to separate elements based on weight is a:

- A. cannula
- B. centrifuge
- C. counter
- D. refractometer

47. A person who cares for equine feet including trimming and shoeing is called a/an:

- A. farrier
- B. equestrian
- C. hobble
- D. quitter

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48. A female of the equine species that is four years of age or older:

- A. Colt
- B. Stud
- C. Mare
- D. Foal

49. Pericardium is:

- A. The muscular layer of the heart wall.
- B. A thin layer that lines the surface of the heart.
- C. The fibrous sac that encloses the heart.
- D. A thin layer that lines the inside of the heart.

50. What is oogenesis?

- A. Condition in which one or both testicles remain in the body cavity.
- B. Causes destruction of the cotyledons of the uterus.
- C. Process by which ova are produced by the female.
- D. Process by which sperm are produced by the male.