

2026 Ag Bowl Companion Animal Practicum #1 Answer Key

1. Scapula
2. Humerus
3. Sternum
4. Patella
5. Pelvis
6. Mandible
7. Coracoid
8. Femur
9. Pygostyle
10. Phalanges
11. Ovary
12. Uterus
13. Vulva
14. Cervix
15. Infundibulum
16. Magnum
17. Uterus
18. Jugular vein
19. Cephalic vein
20. Saphenous vein

SMSU Ag Bowl Invitational 2026

Companion Animal Exam

1. The term “lite” on a pet food label refers to
 - a. fiber content
 - b. moisture content
 - c. fat content
 - d. caloric content**

2. Cats do not have the ability to synthesize this essential fatty acid and it must be provided in the diet
 - a. glycocholic acid
 - b. stearic acid
 - c. arachidonic acid**
 - d. oleic acid

3. Siamese cats can be susceptible to toxicity of which of the following minerals?
 - a. iron
 - b. cobalt
 - c. zinc
 - d. manganese**

4. Which of the following is not a primary role of water?
 - a. lubricates body joints and tissue
 - b. facilitates metabolic reactions in the body
 - c. source of energy**
 - d. regulates body temperature

5. Because rabbits practice coprophagy, their requirement for which of the following vitamins is minimal?
 - a. Vitamin A
 - b. B vitamins**
 - c. Vitamin E
 - d. Vitamin D

6. If supplemental meat or table scraps are fed to adult dogs at maintenance, they should account for no more than
 - a. 10% of the total diet**
 - b. 25% of the total diet
 - c. 50% of the total diet
 - d. 75% of the total diet

7. The average litter size for cats is
- a. 1-3 kittens
 - b. 4-6 kittens**
 - c. 7-8 kittens
 - d. 9-10 kittens
8. In pregnant bitches, fetal growth during the first 5 to 6 weeks of pregnancy is
- a. less than 30%**
 - b. between 30-40%
 - c. between 40-50%
 - d. greater than 50%
9. Rabbits become sexually mature at
- a. 2 to 5 months of age
 - b. 5 to 8 months of age**
 - c. 9 to 12 months of age
 - d. greater than one year of age
10. The term used for the birth process in rabbits is
- a. whelping
 - b. kindling**
 - c. parturition
 - d. queening
11. What is another name for the wishbone in birds?
- a. furcula**
 - b. sternum
 - c. ulna
 - d. radius
12. Which part of the bird's reproductive tract is the egg shell formed?
- a. infundibulum
 - b. isthmus
 - c. uterus**
 - d. ovary
13. The _____ is the largest part of a bird's digestive tract and its primary purpose is to grind and crush food.
- a. stomach
 - b. gizzard**
 - c. proventriculus
 - d. cecum

14. What is the name of the paired fins that are located on the sides of the fish, just behind the head?

- a. **pectoral**
- b. caudal
- c. pelvic
- d. dorsal

15. The name of the area between the main body of a fish and the tail fin.

- a. **peduncle**
- b. trunk
- c. pedicle
- d. filament

16. Which nutrient is amino acid associated with?

- a. Carbohydrates
- b. **Protein**
- c. Fats
- d. Minerals

17. Fats contain _____ times as much energy as an equivalent amount of carbohydrates.

- a. 1
- b. **2.25**
- c. 3
- d. 5

18. Vitamin _____ is made by an animal's body after exposure to the sun.

- a. A
- b. B
- c. C
- d. **D**

19. This nutrient is important to help build and repair body tissues and organs.

- a. carbohydrates
- b. **protein**
- c. lipids
- d. vitamins

20. This mineral is important in hemoglobin production.

- a. calcium
- b. phosphorus
- c. potassium
- d. **iron**

21. The medulla oblongata influences

- a. **digestion.**
- b. equilibrium.
- c. reasoning.
- d. sight.

22. Muscles attach to bones by means of
a. ligaments.
b. tendons.
c. bones.
d. gristle.
23. Lower back vertebrae are called
a. caudal.
b. cervical.
c. lumbar.
d. thoracic.
24. The adrenal glands are located
a. at the base of the brain.
b. on the thorax.
c. above the kidneys.
d. within the thyroid.
25. The _____ is a tube supported by C – shaped cartilage rings.
a. alveoli
b. capillary
c. pleura
d. trachea
26. The protective covering of the kidneys and the ureters is the
a. renal fascia.
b. renal capsule.
c. renal cortex.
d. renal pyramids.
27. A major waste product from any nitrogen based food is
a. uric acid.
b. urea.
c. amino acids.
d. ammonia.
28. The dog's withers is located
a. at the top of the head.
b. at the base of the tail.
c. at the upper thigh.
d. at the top of the shoulder.
29. The Lhasa Apso has
a. a wiry undercoat and a soft topcoat.
b. dark ears, feet and tail.
c. a tapering muzzle.
d. a tail that curves up over its back.
30. Tabby refers to
a. white, black and orange patches.
b. a solid colored cat.
c. an orange and black pattern.
d. any colored striped pattern.

31. Which hormone is responsible for maintaining pregnancy?
- estrogen
 - progesterone**
 - luteinizing
 - Oxytocin
32. What is the term used for when a cat gives birth?
- queening**
 - whelping
 - kittening
 - Spaying
33. The term parturition means _____.
- the birthing process**
 - the length of pregnancy
 - the change in the length of daylight hours
 - the production of milk
34. The genetic makeup of a cell, typically referencing a specific characteristic is known as _____.
- phenotype
 - genotype**
 - Mitosis
 - geneticosis
35. The Labradoodle is a result of _____.
- crossbreeding**
 - line breeding
 - inbreeding
 - out crossing
36. Which stage of Mitosis happens first?
- Anaphase
 - Telophase
 - Interphase**
 - Metaphase
37. What percent of kittens will be orange in color if you cross a tomcat that is BB with a queen that is Bb? (B=black and b=orange)
- 0%**
 - 25%
 - 50%
 - 100%
38. According to the AKC, the Boston Terrier belongs to which dog group?
- working
 - terrier
 - sporting
 - non-sporting**

39. Which of these rabbit breeds is the smallest?
- a. Mini Lop
 - b. Satin
 - c. Netherland Dwarf**
 - d. Californian
40. The Russian Blue cat has _____ colored eyes.
- a. blue
 - b. green**
 - c. brown
 - d. hazel
41. Arthritis is
- a. breaking of the joints of an animal
 - b. inflammation of the joints of an animal**
 - c. inflammation of the muscles of an animal
 - d. not a problem in dogs or cats
42. The term caudal refers to
- a. to the head or in a direction towards the head of an animal
 - b. to the center or in a direction the middle of an animal
 - c. to the rear or in a direction toward the rear of an animal**
 - d. to the top or in a direction toward the top of an animal
43. A cardiac muscle cell is
- a. spindle shaped
 - b. rectangular shaped**
 - c. elongated
 - d. square shaped
44. Muscles attached to the ____ of the sternum often account for over half of the bird's body weight.
- a. Alula
 - b. Carpometacarpus
 - c. Cloaca
 - d. Keel**
45. The _____ gland produces the tears that keep a dog's cornea moist.
- a. Ciliary
 - b. Lacrimal**
 - c. Tapetum
 - d. Utricle
46. _____ scales are round and smooth.
- a. placoid
 - b. scutes
 - c. cycloid**
 - d. ctenoid
47. Bottom feeders have a ____ mouth.
- a. Superior
 - b. Inferior**
 - c. Terminal
 - d. Sub-terminal

48. Dog hookworm is confirmed by checking
- a. a blood sample
 - b. a urine sample
 - c. a feces sample**
 - d. the dogs joints
49. The _____ is a crustacean that buries it's head into the fish's tissue.
- a. Fish louse
 - b. Anchor worm**
 - c. Blood worm
 - d. Hydatid
50. The most serious blood parasite in birds is_____.
- a. Proglottids
 - b. Knemidocoptes
 - c. Leucocytozoon**
 - d. Dermanyssus

Companion Animal ID Answer Key

Dogs

1. Boston Terrier
2. Pomeranian
3. Yorkshire Terrier
4. Bulldog
5. Shetland Sheepdog
6. French Bulldog
7. Brittany Spaniel
8. Australian Shepherd
9. Weimaraner
10. West Highland White Terrier
11. Cavalier King Charles Spaniel
12. Doberman Pinscher
13. Newfoundland
14. Shih Tzu
15. Siberian Husky
16. Rhodesian Ridgeback
17. German Shorthair Pointer
18. Standard Poodle
19. Mastiff
20. Border Collie

Cats

- 21. Siamese
- 22. Maine Coon
- 23. Russian Blue
- 24. Abyssinian
- 25. Manx
- 26. Persian
- 27. Burmese
- 28. Ragdoll

Tropical Fish

- 29. Cherry Barb
- 30. Corydora Catfish
- 31. Zebra Cichlid
- 32. Bala Shark
- 33. Blue Gourami
- 34. Black Skirt Tetra

Birds

- 35. Canary
- 36. Zebra Finch
- 37. Sun Conure
- 38. African Gray Parrot

Rabbits

- 39. Dutch
- 40. Netherland Dwarf
- 41. Mini-Rex
- 42. Californian
- 43. New Zealand

Other Animals

- 44. Sugar Glider
- 45. Ferret
- 46. Hedgehog
- 47. Bearded Dragon
- 48. Corn Snake
- 49. Red-Eared Slider
- 50. Guinea Pig