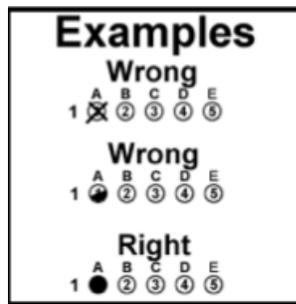


Utah FFA Association
2016 Poultry Science CDE
Written Examination

Directions: Use only a #2 Pencil, place your answers in CLASS 13 on your Sacantron. Remember to completely fill in the circle.



1. Evaluating a broiler breeder's body confirmation requires measuring of what?
 - a. Spring rib
 - b. Depth of shoulders
 - c. Width of hips
 - d. Length of head

2. On a broiler, what does fleshing refer to?
 - a. Depth of shoulders
 - b. Distribution of muscle and quantity of breast meat
 - c. Length of body
 - d. Length of femur and patella

3. Which of the following bones are parts of the wing?
 - a. Femur and patella
 - b. Clavicle and sternum
 - c. Tibia and fibula
 - d. Ulna and radius

4. In egg laying operations, productions are to gather how many eggs per hen housed in an 80-week laying period.
 - a. 230
 - b. 350
 - c. 368
 - d. 400

5. What is the part of the oviduct that forms the two shell membranes?
 - a. Adrenals
 - b. Pancreas
 - c. Pituitary
 - d. Thyroid

6. During egg formation in laying hens, the egg spends ____ minutes in the ____ when forming the two shell membranes.
 - a. 15 minutes; Isthmus
 - b. 15 minutes; Infundibulum
 - c. 75 minutes; Isthmus
 - d. 75 minutes; Infundibulum

7. What type of pigmentation is exhibited in laying hens?
 - a. Carotene
 - b. Hemoglobin
 - c. Lycopene
 - d. Xanthophyll

8. Hens that show signs of returning pigmentation are?
 - a. Decreasing egg production
 - b. Decreased feeding
 - c. Increasing egg production
 - d. Increased feeding

9. Where in the egg is the genetic material located/
 - a. Albumen
 - b. Blastodisc
 - c. Infundibulum
 - d. Interior of the yolk

10. Below what temperature does cell division stop in a fertilized egg?
 - a. 60°F
 - b. 70°F
 - c. 85°F
 - d. 90°F

11. What day of incubation do feather start forming?
 - a. 2
 - b. 5
 - c. 9
 - d. 12

12. The entire process of composting dead birds takes approximately how many days?
- 30
 - 60
 - 90
 - 120
13. Which steps of poultry processing are in the correct order?
- Grading, packing, eviscerating
 - Withdrawal from feed, scalding and defeathering, catching and transport
 - Scalding and defeathering, evisceration, inspection
 - Mechanical cutting, distribution, stunning and killing
14. Which waste storage system has the laying hen facility 15-30 feet above ground level where waste can be stored underneath for extended periods of time?
- Settling tanks
 - Dry-stack
 - High-rise
 - In-house pits
15. Which of the following is an example of a fomite?
- Bacteria
 - Feeders
 - Fleas
 - Mites
16. How long after a fair or exposition should birds be kept separate from the rest of the flock?
- 1 week
 - 10 days
 - 2 weeks
 - 30 days
17. Which muscle functions to elevate the wing?
- Coccygis
 - Pectoralis minor
 - Pectoralis major
 - Trapezium

18. How are Avian lungs different compared to mammals?
- Do not expand and contract
 - Expand and contract twice as fast
 - Imbedded in the gizzard
 - Terminate in “blind-ended” alveoli
19. A shell egg with a slightly observable yolk outline and an air cell of just over 1/8” but less than 3/16” is a USDA Quality Grade:
- AA
 - A
 - B
 - Loss
20. For bone-in further-processed poultry products which of the following quality factors is NOT applicable?
- Coating color
 - Coating coverage
 - Completeness
 - Product size
21. An average broiler is grown for approximately how long and weighs approximately how much live?
- 4 weeks; 2.5 – 3.5 pounds
 - 4 weeks; 3.5 – 4.5 pounds
 - 6 weeks; 2.5 – 3.5 pounds
 - 6 weeks; 3.5 – 4.5 pounds
22. A poultry house contains broiler chickens with an average body weight of 4.5 pounds and total live weight of 145,000 pounds. In hot weather ventilation system is being used, and there are 12 fans running that are each capable of moving 15,000 CFM of air. Calculate the airflow in the house (in CFM per bird).
- 3.86
 - 4.50
 - 5.56
 - 6.02

23. During production of ready-to-eat chicken patties a manufacturer decides they want the patties to be coated in 25% coating by weight. They randomly weigh 20 patties and found the average weight of a patty is 160 g. How much coating should be on ONE patty?
- 25 g
 - 30 g
 - 40 g
 - 125 g
24. A flock of 155,000 commercial laying hens was transferred to a cage laying house. After several weeks of production, there has been 2.7% mortality since they were placed. Today 135,734 eggs were collected. What was today's % hen-housed egg production?
- 87.6
 - 90.0
 - 91.4
 - 92.3
25. If an 8-ft diameter hover for brooding chicks is designed to have a maximum capacity of 750 chicks per hover, how many hovers are needed for a house containing 30,000 chicks?
- 40
 - 54
 - 400
 - 445
26. Which breed of duck is the most popular to raise commercially?
- Cayuga
 - Moscovy
 - Runner
 - White Pekin
27. Which of the following is NOT one of the three major components of biosecurity programs?
- Antibiotic use
 - Isolation
 - Sanitation
 - Traffic control

28. Which of the following is primarily a respiratory disease in poultry?
- a. Avian encephalomyelitis
 - b. Coccidiosis
 - c. Foul cholera
 - d. Infectious bronchitis
29. Fully cooked poultry products must be cooked to a minimum internal temperature of :
- a. 145°
 - b. 155°
 - c. 160°
 - d. 205°
30. Which of the following is the scientific name of the turkey?
- a. *Anser anser*
 - b. *Gallus Gallus*
 - c. *Meliagris gallapavo*
 - d. *Numida meleagris*

NAME _____

CHAPTER _____

KEY

1. C

2. B

3. D

4. B

5. D

6. C

7. D

8. A

9. B

10. C

11. B

12. B

13. C

14. C

15. B

16. C

17. B

18. A

19. B

20. D

21. D

22. B

23. C

24. A

25. A

26. D

27. A

28. D

29. C

30. C