

**POULTRY EXAM**  
**TARLETON STATE INVITATIONAL 2019**

1. If poultry meat has been held below 0°F, it must be labeled as \_\_\_\_ ?
  - a. Thin chilled
  - b. Deeply chilled
  - c. Fresh
  - d. Frozen
2. What is the name of the storage device that is within the house to contain wastes, in liquid and slurry form, for a specific time period and is described as being 2 to 6 feet in depth?
  - a. settling tanks
  - b. floor storage
  - c. in-house pits
  - d. dry-stack storage
3. Except for very young birds and/or very cold weather, \_\_\_\_\_ control is one of the primary goals of ventilation.
  - a. temperature
  - b. air quality
  - c. humidity
  - d. rodent
4. The two shell membranes are formed in which part of the oviduct?
  - a. magnum
  - b. vagina
  - c. isthmus
  - d. uterus
5. If the rose comb gene is (R) and the pea comb gene is (P), what type of comb will a chicken have if its genes are RrPp?
  - a. Rose comb
  - b. Pea comb
  - c. Walnut comb
  - d. Single comb
6. The 3 major components of biosecurity include all of the following except?
  - a. Enforcement
  - b. Isolation
  - c. Traffic Control
  - d. Sanitation
7. All of the following are respiratory system functions in a chicken except?
  - a. Gas exchange
  - b. Temperature regulation
  - c. Flight movement
  - d. Communication
8. Which of the following is a poultry industry occupation related to social services?
  - a. Veterinarian
  - b. Veterinary laboratory technician
  - c. Veterinary anatomist
  - d. Veterinary inspector
9. What is the scientific name of a dove?
  - a. *Anas platyrhynchos*
  - b. *Numida meleagris*
  - c. *Streptopelia decussata*
  - d. *Columba livia*
10. On turkey breeder farms, birds are raised sex separate until what age?
  - a. 10-12 weeks
  - b. 16-20 weeks
  - c. 22-24 weeks
  - d. 25-30 weeks
11. Which hormone stimulates broodiness in a laying hen?
  - a. follicle stimulating hormone (FSH)
  - b. luteinizing hormone (LH)
  - c. oxytocin
  - d. prolactin
12. Which of the following is not a function of a bird's air sacs?
  - a. circulation of air through the lung
  - b. gaseous exchange
  - c. reserve supply of air
  - d. lower the specific gravity of flying birds
13. \_\_\_\_\_ are single-cell organisms.
  - a. bacteria
  - b. viruses
  - c. ectoparasites
  - d. pathogens

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14. By what day of incubation are all muscles that will be in an adult chicken in place?
- 5
  - 10
  - 18
  - 21
15. Which federal agency is a cooperative effort between two USDA agencies and the American Association of Veterinary Laboratory Diagnosticians?
- National Veterinary Services Laboratories
  - Food and Drug Administration
  - Animal (Veterinary) Drugs
  - National Animal Health Laboratory Network
16. Which of the following poultry diseases is caused by the ingestion of moldy feed and lowers the birds productivity?
- Infectious coryza
  - Bumblefoot
  - Coccidiosis
  - Mycotoxicois
17. In poultry processing, the heavier birds are typically used for what market?
- further processing
  - fast food
  - tray pack
  - parts
18. The integumentary system is made up of all of the following except:
- feathers
  - epidermis
  - dermis
  - muscles
19. A turkey carcass with 1 broken wing bone that is protruding through the skin should be given a USDA grade of \_\_\_\_\_.
- A
  - B
  - C
  - NG
20. Two reasons why white feathered birds are preferred over dark feathered birds are because they are easier to pick and \_\_\_\_\_
- less oil residue
  - don't leave dark spots on the carcass
  - easier for clean up
  - have short feathers
21. A poultry house using tunnel ventilation setups typically operate at static pressure ranging from 0.04 to \_\_\_\_\_ inches when measure at the center of the house .
- 0.15
  - 0.16
  - 0.17
  - 0.18
22. Which of the following is not a function of the skeletal system?
- locomotion
  - respiration
  - impact support
  - protection of internal organs
23. What other animal would "do well" on a poultry feed (low roughage & high concentrate)?
- swine
  - cattle
  - horse
  - sheep
24. In which decade(s) did vertical integration in the poultry industry begin to take shape?
- 1930s
  - 1940s - 1950s
  - 1960s
  - 1970s - 1980s
25. Which of the following is not a common way of disposing of dead birds?
- composting
  - piling
  - incinerating
  - rendering

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Grower Sam has a broiler flock of 25,000 birds. On day 42, these birds were loaded and transported to the processing plant. It was determined that these birds had an average weight of 6.7 lbs and a feed conversion ratio of 1.81. After processing, it was determined that the average carcass weight was 5.4 lbs, which yielded on average of 1.98 lbs of breast meat. From the carcass, tenders were further processed at the company's Research and Development lab to be sold to fast food restaurants. Tenders that weighed equal to or less than 0.23 lbs could be cooked at 350°F and be done in 7.5 minutes. Tenders that weighed more than 0.23 lbs could be cooked at 350°F and be done in 9.5 minutes. A typical batch consisted of 50 tenders. For uniform cooking, this meant that all tenders larger than 0.23 lbs had to be trimmed down. 13,350 tenders had to be trimmed down. The average amount of meat that was trimmed and rendered from each tender was 0.03 lbs. Tenders were sold at \$3.99/lbs.

Use the paragraph above to answer questions 26 - 30.

26. What was the average feed consumption per a bird for this flock of broilers?
  - a. 11.32 lbs
  - b. 12.01 lbs
  - c. 12.13 lbs
  - d. 12.29 lbs
27. What was the average breast yield per carcass?
  - a. .30
  - b. .37
  - c. .39
  - d. .42
28. What percent of tenders had to be trimmed? (Remember: 2 pectoralis minor muscles per a carcass)
  - a. 26.7%
  - b. 27.6%
  - c. 52.4%
  - d. 53.4%
29. What was the approximate total amount of meat trimmed and rendered from the tenders?
  - a. 200.3 lbs
  - b. 352.8 lbs
  - c. 400.5 lbs
  - d. 420.0 lbs
30. How much money was lost from lack of uniformity?
  - a. \$1568.10
  - b. \$1576.88
  - c. \$1581.98
  - d. \$1598.00