

2021 MN Poultry FFA Career Development Written Exam

Record your answers on the exam section of page two on your e-scansheet.

1. Where does fertilization occur in the reproductive tract?
 - a. Magnum
 - b. Uterus
 - c. Isthmus
 - d. Infundibulum

2. How many air sacs do birds have as part of their respiratory system?
 - a. 2-3
 - b. 12
 - c. 8-9
 - d. 4

3. How many chambers of the heart do poultry species have?
 - a. 4
 - b. 8
 - c. 3
 - d. 2

4. What two senses are the most developed on fowl?
 - a. taste and smell
 - b. hearing and smell
 - c. sight and taste
 - d. sight and hearing

5. What is the average body temperature of poultry?
 - a. 105-107 degree F
 - b. 98.6 degree F
 - c. 100-101 degree F
 - d. 112 degree F

6. Leghorn strain hens will lay approximately how many eggs per year?
 - a. 365
 - b. 265
 - c. 180
 - d. 300

7. What does the term "dubbing" mean?
 - a. removal of the feathers
 - b. cutting the flight feathers so the bird cannot fly
 - c. surgical removal of the comb and wattles
 - d. pinioning the wing so the bird cannot fly

8. Which of the following nutrient deficiencies of the hen may affect embryonic development but not necessarily prevent egg formation from occurring?
- calcium
 - vitamins and trace minerals
 - phosphorus
 - calcium and phosphorus
9. Which pathogen can be described as ubiquitous (nearly everywhere) in the chicken population?
- coccidiosis
 - croupe
 - fomites
 - Marek's disease virus
10. Transmission of infectious agents in poultry by contact, such as touching, pecking, or mating or from droplet spread, is considered a form of
- vehicle-borne transmission
 - vector-borne transmission
 - airborne transmission
 - direct transmission
11. A major component of biosecurity is
- isolation
 - traffic control
 - sanitation
 - all of the above answers are components of biosecurity
12. This disease is caused by a herpes virus and characterized by rapid spread, sneezing, gasping, and possible expectoration of blood-stained mucus.
- Newcastle disease
 - Marek's disease
 - infectious bronchitis
 - laryngotracheitis
13. The covert feathers are found on which parts of the chicken?
- wing and tail
 - neck and wing
 - neck and thigh
 - None of the above answers are correct
14. The term for passing or laying of an egg is
- ovulation
 - expulsion
 - oviposition
 - cycling

15. Which of the following is a bi-lobed gland at the base of the brain and called the “master gland” because it releases hormones which regulate activities of other endocrine glands?
- oxytocin
 - pituitary
 - ovary
 - adrenals
16. The egg yolk contents are retained by the _____ membrane and the blastodisc is attached to it.
- inner
 - vitaline
 - chalazae
 - vitelline
17. What are the disease prevention and control measures that can occur to keep flocks healthy?
- reduce contact between birds and infectious organisms
 - maintaining sanitary conditions
 - strengthening the bird’s defenses against invasion by infectious organisms
 - all of the above
18. On average, feed represents what percentage of the cost of market turkey production?
- 50%
 - 60%
 - 70%
 - 80%
19. A toxic gas heavier air which may be emitted during pump-out or agitation of manure storage pits is
- carbon monoxide
 - hydrogen peroxide
 - ammonia
 - hydrogen sulfide
20. Chicks are hatching with some difficulty and many are sticky and some have shell fragments stuck to their wings and back. Which condition most likely contributed to this problem?
- odd shaped eggs
 - genetic defects
 - washing eggs in hot water
 - incubator temperature too high (day 20 to day 21)
21. The Mediterranean Class of Large Fowl includes the
- Leghorn, Minorca, and Ancona breeds
 - Houdan and Hamburg breeds
 - Orpington, Sussex and Cornish breeds
 - Rhode Island Red, Plymouth Rock and New Hampshire breeds

22. On a commercial turkey farm, toms are grown to an average final weight of 45 pounds. If the space requirement of the finishing barn for these turkeys is 1 square foot per 10 pounds of turkey, which of the following barn sizes is closest to the total square feet required to appropriately house 4,400 turkeys?
- 30 feet wide by 400 feet long finishing barn
 - 60 feet wide by 400 feet long finishing barn
 - 50 feet wide by 400 feet long finishing barn
 - 30 feet wide by 500 feet long finishing barn
23. A broiler farm contains houses measuring 50 feet wide by 500 feet long. In each house, bird density is 1.042 square feet per bird. If the total live weight produced per house is 186,000 pounds, what is the approximate average weight per bird?
- 7.75 pound
 - 6.25 pound
 - 5.28 pound
 - 4.09 pound
24. At the beginning of the egg laying cycle, 152,000 hens were housed in a commercial egg layer facility. At 52-weeks of lay, 142,400 hens remained and were producing 290 cases of 30 dozen eggs per day. What were the hen-housed egg production rate and the hen-day rate of lay of these hens at that point in their laying cycle?
- 73.31% hen-housed and 68.68% hen-day production
 - 68.68% hen-housed and 73.31% hen-day production
 - 73.31% hen-housed and 82.33% hen-day production
 - none of the above answers is correct
25. In a commercial egg facility, the typical feed consumption per one dozen eggs is 3.01 pounds. If a flock's diet contains 68% corn, and one bushel of corn weighs 56 pounds, how many bushels would be represented in the daily feed consumed by a flock of 125,000 laying hens producing eggs on a 75% hen-day basis?
- at least 400 bushels allowing for wastage
 - 286 bushels
 - 782 bushels
 - 160 bushels