



**VACCINATION PROGRAMS**

(2 each)

3. True or False - Circle the correct answer

- T**    **F**    Live vaccines produce a mild disease.
- T**    **F**    Attenuated vaccines produce a mild disease.
- T**    **F**    Maternal protection decreases over a 3-week period.
- T**    **F**    Vaccine effects are variable due to maternal antibodies.
- T**    **F**    Vaccine effects are variable due to chick quality.
- T**    **F**    Virulent field challenges require virulent vaccines for protection.
- T**    **F**    To minimize reactions, give mild, then virulent vaccines.
- T**    **F**    Keep vaccines cool and dry and mix gently.
- T**    **F**    Give vaccines before maternal antibodies drop.

(2)

4. Name four routes of vaccine administration for poultry:

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**LIGHTING MANAGEMENT**

(5)

5. A 9-watt fluorescent mini-tube light bulb emits 400 lumens. If it is hung 10 feet above a broiler house floor, what is the light intensity at floor level?

- (7) 6. a. Explain the basics of the “Canadian” lighting program. What are the intensity and duration recommendations during broiler grow-out?

Days

Duration

Intensity

0-

- (8) b. What are the advantages and disadvantages of “Canadian-type” lighting programs?

**VENTILATION MANAGEMENT**

- (3) 7. At 90°F (dry bulb), how much more moisture will air hold if the wet bulb temperature is 80°F than 60°F? \_\_\_\_\_
- (3) 8. If the dry bulb temperature is 90°F and the wet bulb temperature is 75°F, what is the relative humidity? \_\_\_\_\_
- (3) 9. If the outside temperature is 100°F and the relative humidity is 50%, what is the minimum temperature that can be achieved by evaporative cooling? \_\_\_\_\_



**FIELD TRIP TO THE BROILER HOUSE**

- (8) 12. The grower at the broiler farm we visited used the central row of incandescent bulbs to light the flock and two rows of fluorescent mini-tubes to provide extra light whenever he needed to work in the house. How do you think the house was designed to be used and what is the disadvantage to the way it was being used?

**FIELD TRIP TO THE PROCESSING PLANT**

- (8) 13. What is the approximate weekly capacity of a modern broiler processing plant running two shifts per day (Specify number of birds or pounds of meat)? Where might the various parts of the same bird produced in Georgia be consumed (geographic locations)?