

Omit any Two 6-pt. Questions (Except #8 and #13)

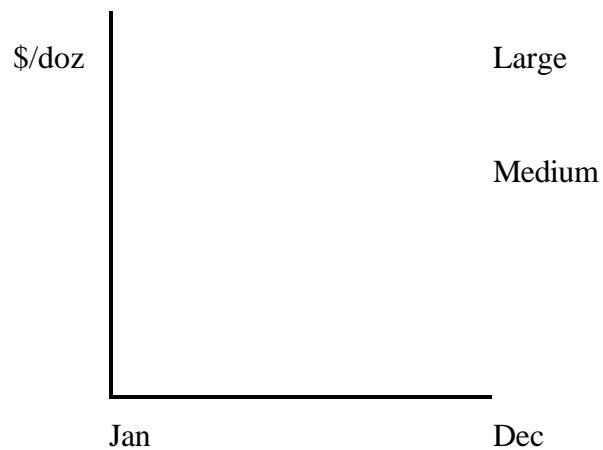
(points)

(Q)

- (6) 1. When it gets hot in the summer, technical bird performance is influenced which, in turn, affects economic variables. How is bird performance affected by summer heat?
- (6) 2. How do changes in bird performance alter egg prices?
- (6) 3. How do yearly changes in egg consumption alter egg prices?

- (6) 4. What adaptations can producers make to help overcome the effects of summer heat on layer performance?

- (6) 5. As a result of the factors discussed above, what will yearly trends in egg prices usually be like for large and medium eggs?



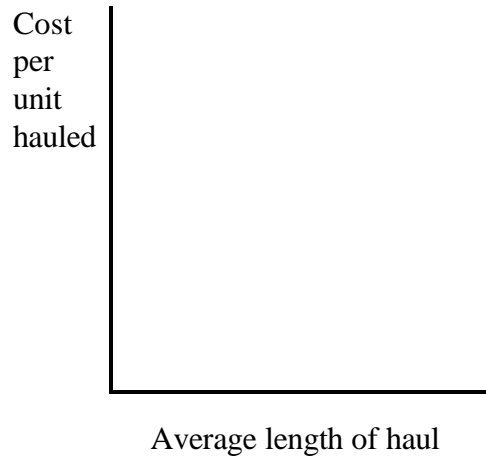
- (6) 6. For a small-bodied commercial laying stock placed in the fall (to peak during December and January), what are the advantages over a larger bodied stock?
- (6) For a large-bodied commercial laying stock placed in the spring (to peak during July and August), what are the advantages over a small-bodied stock?
- (6) 7. When feed becomes very expensive, would you expect hens to be replaced at a younger or older age? Why?

- (12) 8. Explain how average net returns for a flock of commercial layers should be calculated. What costs and returns are involved? (You may give a hypothetical example).

- (6) 9. When would you base hen replacement decisions on total net revenue?

And when on average net returns?

- (6) 10. Complete the graph for transportation costs, including loading and unloading costs, fixed overhead costs, variable operating costs, and total unit cost:



- (6) 11. For transportation, give examples of:

Fixed overhead costs -

Variable operating costs -

- (6) 12. What factors must be considered when deciding on locations for housing in a broiler complex?

(10) 13. For a broiler processing plant, check the proper classification:

	Variable operating costs	Constant-unit operating costs	Fixed operating costs	Fixed overhead costs
Property taxes				
Salaries				
Wages				
Insurance				
Depreciation on buildings				
Boxes				
Bags				
Heating and air conditioning				
Ice				
Telephone				

(6) 14. What is (are) the major advantage(s) and disadvantage(s) to operating a feed mill above capacity?

- (6) 15. From Lab #9 - The Broiler Stock Comparison Model:

Would you choose a stock whose breeders ate 20% less feed during the breeding period, but whose broilers took two more days to get to market? What are the most important economic factors in making this decision?

- (6) 16. From Lab #10 - Insulating a Broiler House:

Which factor had the biggest effect on fuel usage (drop ceiling, housing density, % relative humidity, average yearly outside temperature, curtain insulation)? Why?