



Q1: Define the following terms:

(18 marks)

Mobile incubators, Fogger, The wet grooves

Q2: Give the reason (s) only three of the following sentences:

(18 marks)

- 1- On what basis does the poultry project owner choose the appropriate heating system?
- 2- The direction of poultry house must be in vertically position with wind.
- 3- The effect of photoperiod length, day length and photo intensity on the layer hens are significantly.
- 4- It prefer to put the wet pads far away from the hall's wall by one meter.

Q3: If you have 6000 chicken in the house , the average weight of them 1.5 kg per bird, outside temperature 20 C and you have two types of fans (1500 m³ /h) for min. ventilation (10000 m³/h) for max. Ventilation. How many fans and number of inlets you need to this house. For information: Average kg of body weight needs from air = 0.38 m³ / hour, Capacity of inlet = 2000 m³/h.

(34 marks)

Q4: Answer only two of the following questions:

- A- What are the advantages for the cooling systems by evaporation along one side of hall?
- B- Talk about systems of lighting program for hens in closed houses.
- C- What are the benefits of darkness exposure?

(30 marks)

With my best wishes

Dr. Azad Sh. Salih