**An-Najah National University**

**Faculty of Agriculture and Vet Med**

**The Dept. of Animal Production and Animal Health**

**Poultry Production (10916203)**

**Instructor: Dr. Maen Samara**

**First Semester, 2023/2024**

**Student Name: …………………………………..**

**Final Assignment**

**The assignment has 13 essay questions. The assignment contains questions for both theoretical and laboratory parts of the course. I expect that you answer these questions on your own. The time allocation for this assignment is fairly enough. Do not use copy-paste type of answers either from internet or from assignments of your colleagues.**

**Assignments submitted later than the due time will be not receive fair attention (evaluation). Answers will only be submitted via Moodle. Hand written answers are recommended.**

1. **What are the functions of the integumentary (skin and feathers) system of the chickens? ( 5 points)**
2. **(Lab.) What is the best sexing method for determining day-old chicks. (2 points)**
3. **How do you measure the growth rate and feed conversion ratio for broilers? (4 points)**
4. **Why poultry products have proven to be extremely valuable as a source of food to human? (3 points)**
5. **(Lab.) Why do laying hens quit laying eggs in winter? (2 points)**
6. **(Lab.) What are the common types of poultry producers in Palestine? (2 points)**
7. **What are the factors that affect the hatchability of eggs. (5 points)**
8. **(Lab.) Do a farmer need to put feed and water in front of the chicks right after placement (in brooder house)? (2 points)**
9. **What does the term ‘ Broiler breeders” mean? (1 point)**
10. **(Lab.)What are the two types of machines used in commercial hatcheries? (3 points)**
11. **Why the first week of broilers life has the highest mortality rates? Give examples (3 points)**
12. **What are the segments the hen’s oviduct? What function each segment performs? (5 points)**
13. **What is meant by “vertical integration” in the poultry industry? (2 points)**