**Practical 4**

**House Cleaning and Preparation for New Flocks**

**Objectives**

Be able to:

1. Recognize types of disinfectants used in farm cleaning.

2. Know steps of farm cleaning and preparation for new flock of birds.

3. Prepare a brooder house for brooding day-old chickens.

**Activities**

1. Carry out cleaning and disinfection of a poultry house.
2. Set up brooder house equipment

Define all terms related to disinfection and disinfectants:

 Types of disinfectants (physical agents, Chemical agents)

 (students will be given a handout).

**House Cleaning and Preparation for New Flocks**:

Sep I:

1. Depopulate house and incinerate dead birds, feed sacs.
2. Remove all loose equipment from the house (feeders, drinkers, brooders, etc.)
3. Soak all equipment in a tank containing quaternary ammonium compound (QAC)
4. Wash and scrub equipment to remove organic residues.
5. Sanitize cleaned equipment in a fresh QAC solution.
6. Store equipment in clean area to reduce risk of re-contamination. Make sure to separate equipment that need repair.

Sep II:

1. Drain off drinking water system.
2. Clean header tank.
3. Isolate header tank from pipeline system.
4. Fill tank with QAC solution.
5. Flush solution through pipeline to end point and seal off for 24 hours.
6. Drain system of QAC solution.
7. Re-fill system.

Sep III:

1. Manual removal of letter from house (or use tractor if need).
2. Scrape remains of organic materials from walls and fixed equipment.

Step IV:

1. Spray insecticide after blocking off ventilation areas. (use life insecticide)
2. Close house for an hour or two.
3. Check house for number of insects killed

Step V:

1. Wash down ceiling and walls starting at one end of the house and moving backwards.
2. Wash down floor and remove wash liquid from house.

Step VI:

1. Prepare a solution of a disinfectant (synthetic phenol disinfectant) and wash down house with it as per stage 5.
2. Or use a suitable disinfectant when a disease outbreak.

Step VII:

1. Remove all debris from around houses and roadways.
2. Disinfect outer walls, roadways and other services areas.
3. Clean out foot dips and refill.

Step VIII:

1. Put clean litter into house and spread it around the floor removing any unwanted material such as nails, wire.
2. Install cleaned and sanitized equipment.
3. Close up all air entrances.
4. Fumigate house with formalin gas.
5. Close up house for 24 hours.
6. Open up ventilators before restocking.

Step IX:

1. Repeat spraying insecticide if feel that the first spray was not enough.

**LAB REPORT** **4**

**House Cleaning and Preparation for New Flocks**

Name: …………………………………….

ID NO: ……………………………………

Section: …………..

**ANSWER THE FOLLOWING QUESTIONS:**

1. Define terms and give an example:
	1. detergent,
	2. antiseptic,
	3. wetting agent,

* 1. disinfectant,
	2. sanitizer.
1. State why each of the following steps were carried out:

Step 1 to step 9. (use additional sheet if necessary)