## UNIT:4<sup>TH</sup> (ANIMAL HUSBANDRY & POULTRY)

## Management Of Breeding Stock

Subject: Afflied Zoology. (ZOOLOGY) Unit-IV Course: DSE (ZOODE0601) Sem-Gh 2.3 Management of breeding Stock and bridlers Poultry refers to birds such as chicken, -hakeys, ducks, geese ostach & other related species used for commercial production of meat, eggs features and leather. Generally two types of birds are found in poultry: I) layers / Egg producing Chickers: The egg laying forme are kept in this calegory and are reared in Smaller groups. They are provided a measured space for their development and the quality of feed is also different. They are reased in groups of 200-500/pame 2) Briders or meal producing chicken.: These are specially reased birds fasticularly for meal and flesh. They are developed for 8-16 weeks and altain on particular styles vot. The quality of meat produced is much different than that of chicker or other breekes of forsts. & this is new & more popular industry . The birde that do not have desired traits are removed from stock by the breeders and this is called <u>Culling</u>.

Feeding and Management of Boceding Stock / laying Hocks There are certain factors which can help a breeders in increasing profil- and maintaining the farm > By increasing production > By decreasing the production cost-> Boy using better means of marketing -> Reduction of mostality rale. Along with this The daying house should have proper Space and ventilation. Proper light and fresh air is must for a good poultry. These should be a bed of paddy bran heith thickness of 7/2 - 15 cm. It should have 1/2 leg almed lime to avoid dampness and produces heat / wealment to the flock. A thick litter is always good as it has no dampness and produces heat during comforting. Proper feeding and water drinking arrangement Schould be served to the her. Light plays an important role in the egg laying A her requires at least 14-16 hr light for 24 hrs. Thre should be big & protected windows on the castern & western sides The poultry feed must be standard

quality with required arout of Calcium to cour The loss in the bird. The feed should have Shell of Unio, Pila ad ground stones. Heavy proteinacious diet is given to the her. This dich is mix type with animal proten along with cut & chopped abried pieces of meat, fish, prowers, whereas the second diet is rich in green leaves like vegetables & other green fodders. Vitamine and minerals are also added in required amount in the feed to avoid their loss. Mangement of Young Chilleen Breaking Stock The brooding & reaking of young chick is done with great care! Purg chick is Two methods are employed here: 1) Natural Method : The festilized eggs are lard by the female and in natural course, the broody her sils over these eggs and provides them the required warmth for -Their Developm Generally the eggs hatch after 21 dags. No extra efforts is required by the farmers and a hear easily mages a related of 10-15 eggs at a time. This requires profection / case of bird & egge. But this method cannot be applied on connercial basis.

2) Artificial Method ( In this method development of egg is done inside the specially made booders There is a complete arrangemind of herourdity, -lemperature, warmth and light in the booder They contain special requirements of food, space feeding & neater: They are kept warm with heaters, bulbs, kerosene oil langs. Some of important & common types of broodrens are 1) <u>Colony brooder</u>: It is special type of brooder also for reasing a large number of clicks in a small space. It is of 2 types: 1) Folding type 2) Fixed type 1) Folding type : It is a wooden thruchuse fixed or wheels & are well verifilated with sliding hoindous fitted with wisemest. They can be more to places where ventilation, light water and Sanitation can be arranged. 2) Fixed type: These are made up of ceneral ad conorete but not moveable. But with profer ventilation, light, meched windows & floor concerd with little about 4- 5cm in Theckenese. 2) Electric brooder .: This is made up of large number of knall comfortnut e is kept warm by the electric heaters. This is used in big poulfres The chekere are provided nearmth in small Space I the mostality sale is much lower.

than any other methods. Artificial brooders have many advantages over ratural broodings: ) Large number of chicks can be reared during any time of the year. 2) Maintainance and reading is easier. Morbalily rale is quite low. The astificial reasing /Intensive reasing is casered out in a well ventilated coop or poultry house & all the case is taken to maximize the egg and meal production. The cordination to -lotal world poultry weat and egg production through this reasing is 74% and 68% resp.