**ST.JOSEPH’S COLLEGE FOR WOMEN (A), VISAKHAPATNAM**

**ZOOLOGY**

**V Semester ANIMAL HUSBANDRY**

**z5501(3) syllabus “AG” max marks:100**

objectives:

1. To develop skill in the management of poultry industry.

2. To acquire knowledge on breeding, hatching, and rearing of fowls.

3. To gain knowledge about the other economically important poultry birds.

4. To understand the care and management of Dairy animals.

**UNIT – I :**

**General introduction to poultry farming**: Principles of poultry housing. Poultry houses. Systems of poultry farming. Management of chicks, growers and layers. Management of Broilers , sexing of chicks.

**UNIT – II:**

**Hatching, Brooding and Rearing norms for poultry:** Methods of hatching. Selection, care and handling of hatching eggs. Egg testing. Brooding and rearing.

*Poultry feed management* – Principles of feeding. Nutrient requirements for different stages of layers and broilers. Methods of feeding. *Poultry diseases* – viral, bacterial, fungal and parasitic (two each); symptoms, control and management.

**UNIT – III:**

**COMMERCIALLY IMPORTANT POULTRY SPECIES:**

Salient characteristics, reproduction, hatching, rearing, brooding, feed etc of Duck, Quail, Emu & turkey.

**UNIT- IV:**

Breeds of Dairy Cattle and Buffaloes – Definition of breed; Classification of Indian Cattle breeds, exotic breeds and Indian buffalo breeds. Systems of inbreeding and crossbreeding. Housing of dairy animals – Selection of site for dairy farm; systems of housing – loose, housing system. Conventional dairy barn. Cleaning and sanitation of dairy farm. Weaning of calf. Castration and dehorning. Deworming and Vaccination programme. Records to be maintained in a dairy farm.

**UNIT - V:**

Care and management of dairy animals - Care and management of calf, heifer, milk animal, dry and pregnant animal, bulls and bullocks.

Nutritive values of the products - chicken, meat, egg and milk.

**TEXT BOOKS:**

1. A Text book of economic zoology by P.K. Gupta.
2. A Text book of Animal husbandry by G.C.Banerjee.
3. Economic importance of Animal husbandry by Suresh k. Rao ,Sanjana Rawat.
4. Basic operations of Animal husbandry by Sandeep Tomar.

**ST.**JOSEPH’S **COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM.**

**V SEM ZOOLOGY**

**Z 5552(2)** ANIMAL HUSBANDRY TIME: 2HRS/WEEK

PRACTICAL SYLLABUS

**MARKS: 50**

OBJECTIVES:

* Be able to develop a sense of care and responsibility to animals.
* Acquire skill to identify the various breeds of poultry and cattle.
* Acquire skill of good husbandry practices which allow for these behavioural, environment and nutritional requirements to be achieved.
* To provide a basic understanding of the principles of animal nutrition explaining the feeding management and procedures for each age group , feed digestibility, utilisation and nutritive value.

1. External features of a cock and hen

2. Study of various breeds of layers and broilers (photographs)

3. Economically important poultry birds.

4. Combs in fowls

5. Identification of disease causing organisms in poultry birds (as per theory)

6. Study of the anatomy of a poultry bird by way of dissecting a bird. (Demonstration)

7. Study of various activities in a poultry farm (layers and broilers) and submission of a report.

8. Study of various breeds of cattle (photographs/microfilms)

9. Field trips to study of various activities carried out in a dairy farm and submission of a report.

10. Cattle diseases.