

GANPAT UNIVERSITY									
Faculty of Agriculture, Allied Sciences & Technology									
Programme		B.Sc. (Hons)				Branch/Spec.		Agriculture	
Semester		II				Version		1.0.0.0	
Effective from Academic Year			2025-26			Effective for the batch Admitted in			July 2025
Subject code		IIA02LPM		Subject Name		<b>Livestock and poultry Management</b>			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture (DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	1	0	1	-	2	Theory	40	40	80
Hours	1	0	2	-	3	Practical	20	-	20
<b>Objectives of the course:</b>									
CO-1. To provide basic knowledge to the students about scientific livestock and poultry rearing practices.									
CO-2. Entrepreneurship development through Livestock/poultry and Agriculture Integrated Farming System.									
CO:3 To study of feed stuffs of live stocks and digestion in livestock									
CO:4 Study the diseases of live stock and poultry with prevention and control.									
<b>Theory Syllabus</b>									
Unit	Content								Hrs
1	Role of livestock in the national economy. Reproduction in farm animals and poultry. Housing principles, space requirements for different species of livestock and poultry.								4
2	Management of calves, growing heifers and milch animals. Management of sheep, goat and swine. Incubation, hatching and brooding. Management of growers and layers. Important Indian and exotic breeds of cattle, buffalo, sheep, goat, swine and poultry.								4
3	Improvement of farm animals and poultry. Digestion in livestock and poultry. Classification of feedstuffs. Proximate principles of feed. Nutrients and their functions. Feed ingredients for ration for livestock and poultry. Feed supplements and feed additives. Feeding of livestock and poultry.								4
4	Introduction of livestock and poultry diseases. Prevention (including vaccination schedule) and control of important diseases of livestock and poultry								3
<b>Practical</b>									
<ol style="list-style-type: none"> <li>External body parts of cattle, buffalo, sheep, goat, swine and poultry.</li> <li>Handling and restraining of livestock.</li> <li>Identification methods of farm animals and poultry.</li> <li>Visit to IDF and IPF to study breeds of livestock and poultry and daily routine farm operations and farm records.</li> <li>Judging of cattle, buffalo and poultry.</li> <li>Culling of livestock and poultry.</li> <li>Planning and layout of housing for different types of livestock.</li> <li>Computation of rations for livestock.</li> </ol>									

9. Formulation of concentrate mixtures.
10. Clean milk production, milking methods.
11. Hatchery operations, incubation and hatching equipment.
12. Management of chicks, growers and layers.
13. Debeaking, dusting and vaccination.
14. Economics of cattle, buffalo, sheep, goat, swine and poultry production

**Reference Book**

1. Textbook of Animal Husbandry by G. C Banerjee
2. A text Book of Livestock Production management in Tropic by D. N. Verma