

As per ICAR's 6th Dean's Committee Recommendation

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**Livestock and Poultry  
Management  
(Theory & Practice)**

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# **Livestock and Poultry Management (Theory & Practice)**

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# Preface

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In a world increasingly focused on sustainable food systems, economic security, and the well-being of communities, the principles and practices of livestock and poultry management stand as pillars of agricultural prosperity. The judicious rearing of farm animals and poultry not only contributes significantly to national economies through food production, employment generation, and foreign exchange earnings, but also plays a crucial role in maintaining ecological balance and supporting rural livelihoods.

This book, "Livestock and Poultry Management (Theory & Practice)", is meticulously crafted to be a comprehensive and integrated resource for anyone seeking to understand and excel in the dynamic field of animal husbandry. Whether you are a student of veterinary science, animal husbandry, or agriculture, an aspiring farmer, an extension worker, or a professional seeking to enhance your knowledge, this book serves as an indispensable guide.

What sets this book apart is its unique dual approach, meticulously blending foundational theoretical knowledge with essential practical applications. The 'Lesson Plans' delve into critical concepts, ranging from the fundamental role of livestock in national economies, detailed aspects of reproduction, and principles of sustainable housing, to species-specific management across cattle, buffalo, sheep, goat, swine, and poultry. Readers will gain deep insights into important Indian and exotic breeds, genetic improvement strategies, the intricate science of digestion and nutrition, classification of feedstuffs, and the vital components of disease prevention and control, including vaccination schedules.

Complementing this robust theoretical grounding, the 'Experiment (Practical)' section offers invaluable hands-on experiences crucial for developing the practical skills demanded by modern animal production. From mastering external body parts identification and safe animal handling techniques, to implementing identification methods, conducting farm visits for real-world exposure, and developing an eye for judging and culling livestock, the practicals cover the full spectrum of farm operations. Furthermore, the book guides readers through planning optimal housing layouts, computing precise rations and formulating concentrate mixtures, executing clean milk production methods, understanding hatchery operations, and performing critical poultry management tasks such as debeaking, dusting, and vaccination. Crucially, it also addresses the economic viability of these ventures,

enabling readers to make informed decisions for profitable and sustainable farming.

Our aim is to empower readers with not only the knowledge to understand why certain practices are followed but also the practical skills to execute how they are implemented effectively. By bridging the gap between classroom learning and real-world farm challenges, we hope to foster a generation of proficient, responsible, and compassionate animal managers.

It is our sincere hope that "Livestock and Poultry Management (Theory & Practice)" will serve as a cornerstone in your journey towards becoming a successful contributor to the livestock and poultry sector, ensuring the health, productivity, and profitability of these invaluable assets.

***Authors***

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