

Analytical Techniques in Animal Nutrition

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By using this book as a guide, if the students get a clear understanding and a systematic and methodical approach to the subject, the purpose of writing this manual is accomplished. The authors earnestly hope that the book will meet the long felt demand of such book in this country. The authors are thankful to Dr. Kuldeep Deshpandey and Dr. Kiran Kumari, Ph.D. scholars who have helped in the editing of this manual.

Authors

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SECTION-I

Part-I

PRINCIPLES OF ANIMAL NUTRITION INCLUDING AVIAN

1. General Precautions While Working in Animal Nutrition Laboratories

General Instructions

Some general instructions for working in the laboratory are given here and the students are advised to read them carefully before they begin their work in the laboratory.

1. Apparatus used should be kept neat and clean.
2. While pipetting rubber bulb should be used.
3. Small amount of liquid remaining in the pipette should not be blown out. In standardizing the pipettes, allowance is always made for this. However, a frosted ring near the top of latest designed pipettes indicates that the last drop is to be blown out.
4. Most measuring devices are made of glass which has a small temperature coefficient, eg: a soft glass vessel will lead to a change in volume by about 0.003 per cent per degree (°C) change in

Analytical Techniques in Animal Nutrition



There are some laboratory manuals on Animal Nutrition and feeding written by eminent teachers and scientists. But no single manual on Animal Nutrition caters the needs of undergraduate and post graduate students of Veterinary science by providing all informations at a single source. This book comprises of principles of animal nutrition, evaluation of feed stuffs and feed technology and applied animal nutrition covering feeding of livestock, poultry, human beings, pet, rabbit and laboratory animals. This book contains the informations as required in the new syllabus and examination system approved by the Veterinary Council of India.

Book consists of two Sections (Section-I and Section-II). Both Sections contain two parts (Part-I and Part-II) and thus four parts correspond to four courses. Each Sections provides a structured approach to learning by covering 'all the practical topics in a uniform, systematic format. This book is designed to give the students rapid, easy access to all the material in a course wise format which benefit them prepare for the internal examinations and external examinations economically and ensure exploit their potential to a greater extent. The topics are detailed in a straightforward and hopefully lucid manner.

By using this book as a guide, if the students get a clear understanding and a systematic and methodical approach to the subject, the purpose of writing this manual is accomplished.



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