

# Essentials of Veterinary Practice

**Dr. Debasis Jana**

*B.V.Sc. & A.H. (First Class First and Gold Medalist),  
M.V.Sc. in Veterinary Virology (IVRI)  
Asst. Superintendent of Livestock  
Animal Resources Development Department,  
Government of West Bengal*

**Dr. Nilotpall Ghosh**

*B.V.Sc. & A.H. (First Class First and Gold Medalist)  
M.V.Sc. in APM (First Class First), Ph.D.  
Associate Professor  
Department of Animal Science  
Bidhan Chandra Krishi Viswavidyalaya  
Mohanpur, Nadia, West Bengal*

2011

**DAYA PUBLISHING HOUSE®**

**Delhi - 110 002**

© 2011 PUBLISHER  
ISBN 81-7035-744-6 (HB)  
ISBN 978-81-7035-744-5 (HB)

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*Published by* : **Daya Publishing House®**  
4760-61/23, Ansari Road, Darya Ganj,  
New Delhi - 110 002  
Phone: 23245578, 23244987  
Fax: (011) 23260116  
e-mail : dayabooks@vsnl.com  
website : www.dayabooks.com

*Laser Typesetting* : **Classic Computer Services**  
Delhi - 110 035

*Printed at* : **Chawla Offset Printers**  
Delhi - 110 052

PRINTED IN INDIA

*—Dedicated to—*

All those veterinarians  
who love their profession  
and are proud of being a veterinarian  
with a pledge to serve the farmers

# Acknowledgement

It is our immense pleasure that this book ultimately came to light. The information received from various sources is gratefully acknowledged. The relevant reference books are cited at the end of this book to give due credits to the authors and/or publishers. In this occasion, we extend our thanks to our teachers, relatives, friends and colleagues for their inspiration and motivation to complete this work. Our sincere thanks are also due to Mr Anil Mittal, Daya Publishing House, New Delhi for accepting the manuscript and quick publishing this book. We shall be grateful for any suggestion and constructive criticism from readers regarding the text and presentation of the book so that the 2<sup>nd</sup> edition may be more informative and useful for the veterinary professionals. Observations may please be sent to the author's e-mail address: drdebasisjana@rediffmail.com or gnilotpal@yahoo.com.

*Dr. Debasis Jana*

*Dr. Nilotpal Ghosh*



# Bidhan Chandra Krishi Viswavidyalaya

P.O. Krishi Viswavidyalaya, Mohanpur -741252

District - Nadia, West Bengal

Website: [www.bckv.edu.in](http://www.bckv.edu.in)

Office: 033-25879772

03473-222666

Fax: 03473-222275

E-mail: [bckvvc@gmail.com](mailto:bckvvc@gmail.com)

[sarojsanyal@yahoo.co.in](mailto:sarojsanyal@yahoo.co.in)

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**Prof. Saroj Kumar Sanyal**

*M. Sc. (IARI), Ph.D. (Cambridge)*

*FISSS, FNAAS*

*Vice-Chancellor*

*No. VC/BCKV/33/231*

*Date: January 3, 2011*

## Foreword

Veterinary is primarily concerned with health care of animals, and a veterinarian is a physician of animals and a practitioner of veterinary medicine. The job of a veterinary practitioner is very daunting, keeping in view the wide range of animals, which are unable to express their suffering. Besides treating various ailments of animals, a veterinarian is the person who is entitled to ensure production of safe and hygienic animal food products including milk, meat and egg for human consumption. Another important activity of veterinary professionals is to prevent zoonotic diseases that are transmitted from animals to human beings like Bird flu, Swine flu, Rabies, Anthrax, Mad Cow Disease *etc.* These make the veterinary science a vast and interesting subject. The demand of veterinary professionals is on the rise mainly in view of huge livestock population vis-à-vis demand of quality animal food products.

Keeping these in view, the present book entitled '*Essentials of Veterinary Practice*' is written by Dr. Debasis Jana and Dr. Nilotpal Ghosh, which deals with diagnosis as well as treatment of a large number of livestock diseases. All the essential subject matters are systematically presented in six sections, *viz.*, Diagnostic section, Medicine section, Gynaecology and Obstetrics section, Surgery section, Veterinary pharmaceuticals and Miscellaneous information pertaining to veterinary practice. The veterinary drug index chapter is unique and requires a special mention. The photographs of various diseases are important assets of this book. The proforma of various certificates and list of instruments/equipment used in veterinary practice are nicely compiled. The language is very simple and lucid. This book is a good reference material as it covers a wide spectrum of topics of veterinary practice. Efforts

have been made to facilitate easy reading and help students as well as neo-vets gather important information of veterinary science in a single volume.

I am hopeful that this book will be of great use to the students as well as practitioners of veterinary medicine.

I extend my best wishes to the authors for the work they undertook to the cause of their profession.

  
S.K. Sanyal

# Preface

- ☆ The book '*Essentials of Veterinary Practice*' is actually composed of six parts, viz., (1) Diagnostic section, (2) Medicine section, (3) Gynaecology and Obstetrics section, (4) Surgery section, (5) Veterinary pharmaceuticals, and (6) Miscellaneous information pertaining to veterinary practice. The total text is divided into 22 chapters.
- ☆ This book has been compiled in the simplest and most lucid form giving emphasis to modern technologies of animal health management and veterinary therapeutics with complete information on animal diseases of varied etiology.
- ☆ Most characteristic features of this book are description of clinical as well as laboratory diagnosis of animal diseases, large number of common systemic as well as infectious and/or contagious diseases and incorporation of commonly used surgical procedures in curing various diseases. Every disease has been presented in the most precise and systematic manner aiming to serve the need of animal health practitioners. The veterinary drug index chapter indicating medicines and vaccines available in the market is unique, which is presented in a very systematic manner to link up with the modern art of treatment to be utilized under Indian farms and veterinary fields.
- ☆ Vast field experiences of the authors on livestock production management and treatment as a clinician as well as an academician, have been utilized to bring out this publication. Large numbers of photographs of various diseases and disease conditions for recognition of important diseases have been incorporated in this book which would be of immense help to the neo-vets and obviously to the budding veterinarians.

- ☆ One thing should be kept in mind that the use of trade names in this book is solely for the purpose of providing specific information. It is not a guarantee or warranty of the products named, and does not signify that they are approved to the exclusion of others of similar/suitable composition.

### **WHO WILL BE BENEFITED?**

- ☆ This book is primarily meant for the *veterinary students* in India who are undergoing Internship training at the end of the 5-year integrated course (B.V. Sc. & A.H.).
- ☆ It will also help the concerned *teachers/demonstrators* for offering this course to the veterinary students.
- ☆ The book shall also be useful for the neo-vets and budding veterinarians, practicing veterinary clinicians, livestock development officers, animal health workers, *Pranibandhu* and progressive animal farmers in India and other tropical countries.

*Dr. Debasis Jana*

*Dr. Nilotpal Ghosh*



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practice in animal welfare are many, and include increased professional satisfaction, enhanced client perceptions and improved compliance, safety and benefits to individuals and communities. A good understanding of how to provide for the pet's welfare also provides a means of building trust with animal owners. Veterinary attitudes to animal welfare are important for several reasons; concern for the welfare of animals is considered to be an essential part of veterinary practice (Paul and Podberscek, 2000). As outlined above, there are a number of positive benefits to humans as a result of their relationships with animals. Veterinary medicine is the branch of medicine that deals with the prevention, control, diagnosis and treatment of disease, disorder and injury in animals and along with this, it also deals with animal rearing, husbandry, breeding, research on nutrition and product development. The scope of veterinary medicine is wide, covering all animal species, both domesticated and wild, with a wide range of conditions which can affect different species. Veterinarians are an integral part of the global health community. Beyond the activities linked to the health and welfare of animals, they have a key role in disease prevention and management, including those transmissible to humans, and to ensure food safety for the populations. In the current situation, it is crucial that, amongst their numerous activities, they can sustain those necessary to ensure that: national and regional veterinary regulatory and inspection services can oversee the integrity of public health. Supporting veterinary activities in the current context. When conducting their work, veterinarians have the responsibility to safeguard their health, the health of those they work with, and their clients' health.