

# Animal Genetics & Breeding



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SRF, NET, SET, and others.

This book has covered all the topics of the subject of animal genetics and breeding prescribed in the syllabus. The entire subject matter has been spread over 27 chapters. The first 10 chapters of the book have been devoted to *Principles of Animal Genetics*, next 9 chapters to *Population Genetics* concerning with the genetic structure of population for qualitative and quantitative characters and last 8 chapters to *Animal Breeding* covering the methods of exploitation of genetic variation for the genetic improvement of farm animals.

The most *attractive feature* of this book is that the subject matter has been compiled, arranged, presented and expressed in very simple language. Moreover, the numerical solved problems and the numerical exercises to be done by the students have also been given at the end of different parts of the book. Thus, this book has covered both the theoretical as well as practical aspects as per requirement of the courses.

The authors do not claim any originality, as the subject matter has been collected and compiled from various sources, arranged and presented as per requirement of the students of Indian Universities and for the candidates appearing in various competitive examinations. The subject matter has been expressed in simple language so as the concept of the subject become clear.

The authors are highly thankful to those who extended their help, cooperation and suggestions during the course of writing and finalizing the manuscript of this book.

We welcome the reader to bring in our knowledge the mistakes that are likely to occur and send their suggestions for further improvement of the book.

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# Animal Genetics & Breeding

The present book has been written with the objective to cover the syllabus of Courses prescribed at country level by V.C.I. and I.C.A.R. for B.V.Sc. & A.H students and for B.Sc. (Ag.) students of Indian Universities on Animal Genetics, Population Genetics and Animal Breeding, particularly in Indian context. Hope this book will be of great help and great use in general to all interested in the subject and particularly to the under-graduate and post-graduate students, to the teachers and for those who appear in All India Competitive Examination of JRF, SRF, NET, SET, and others.

This book has covered all the topics of the subject of animal genetics and breeding prescribed in the syllabus. The entire subject matter has been spread over 27 chapters. The first 10 chapters of the book have been devoted to principles of Animal Genetics, next 9 chapters to Population Genetics concerning with the genetic structure of population for qualitative and quantitative characters and last 8 chapters to Animal Breeding covering the methods of exploitation of genetic variation for the genetic improvement of farm animals.



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