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Hand book for PSC Livestock Inspector Test

(Reference Guide for Agriculture Officer, Veterinary Surgeon,
Dairy Extension Officer, Farm Assistant
and Dairy Farm Instructor Tests)

Prepared by
Dr.T.P.Sethumadhavan



PREFACE

Livestock sector plays an important role in rural livelihood, employment and income generation. Major livestock products like milk and milk products, meat and eggs contribute around one-sixth of the calories and one-third of the proteins in the per capita food supplies of the world; India's 530 million livestock forms 12 % of the world livestock population. Country is producing 127.3 million tones of milk per annum. Per capita milk availability is 281 gms per day which is above ICMR recommendations. Poultry meat and egg production are moving at a faster rate. Per capita egg consumption is 53 eggs per annum. Livestock sector contributes 24 % of agricultural GDP and 3.6 percent of total GDP of the country. Livestock production can be achieved only when sound animal health system is available. By 2020 more number of human resources like Veterinarians, Livestock Inspectors and Dairy extension Officers are required to meet the increasing demand of livestock products.

Animal husbandry is a growth engine and annual growth rate in dairying is 5 % and in poultry it is 10% and will alleviate rural poverty and uplift the rural farmer. If the country has to sustain economically, livestock sector has to be strengthened. The availability of per capita animal protein is 10.8g whereas the requirement as per world average is 25g. National sample survey reports that 70-75% of their food budget is for milk and milk products. The need of the hour is increase in production, productivity and improvement in the marketing channel. In the case of failure in agriculture, livestock sector forms the source of income and gives insurance to any intervals of agriculture failure.

Kerala occupying just 1.18 per cent of the total geographic area of the country accommodates over 110 crops and the entire livestock population spread over 60 lakh small holdings. It is a cradle of marvelous models of multistoried cropping patterns, mixed farming practices and

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GUIDE

Prepared by Dr. T.P. Sethumadhavan

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different combination of integrated and intensive farming systems. In recent years livestock development through SHGs is gaining importance. Dairying, Goat rearing and Poultry production are emerging as the main and subsidiary source of income and employment in the state. The Government institutions and NGOs are actively involved in SHG formation for socio-economic development of low-income groups.

This book titled Hand book for PSC Livestock Inspector covers all the topics of contemporary importance in the globalised era. This can also be used as a reference book for different examinations like Dairy Extension Officer, Veterinary Surgeon, Agricultural officer and Dairy Farm instructor. I am sure this book with previous year question paper will help you to get better scores in the forthcoming examination.

Thanking you
Sincerely
Dr.T.P. Sethumadhavan

INDEX

CHAPTER	PAGE NO.
Chapter - 1 Livestock Sector - Prospects and challenges.	9-16
Chapter - 2 Anatomy and Physiology of Animals/ Classification	17-26
Chapter - 3 Breeds and Breeding	27-37
Chapter - 4 Factors of Dairy Production	38-52
Chapter - 5 Feeds and Feeding	53-63
Chapter 6 Livestock Accelerates Wasteland upgradation	64-66
Chapter - 7 Housing and Record keeping	67-74
Chapter - 8 Management Systems	75-78
Chapter - 9 Management Measures for Buffaloes	79-81
Chapter - 10 Reproductive Management	82-86
Chapter - 11 Management of High Producers	87-90
Chapter - 12 Diseases Affecting Milk Production	91-101
Chapter - 13 Laboratory Techniques Collection of Samples	102-105
Chapter - 14 Parts and Specifications of Compound Microscope	106-108

Chapter - 15 Hematological Examination	109-113
Chapter - 16 Mechanisation in Dairying	114-116
Chapter - 17 Eco Preservation	117-121
Chapter - 18 Ethnoveterinary Medicine	122-125
Chapter - 19 Integrated Parasite Management	126-128
Chapter - 20 Kudumbasree	129-138
Chapter - 21 Impact of FTA on Live Stock Sector	139-171
Chapter - 22 Media and Food Safety issues	172-178
Chapter - 23 Live Stock and Economic Renaissance	179-183
Chapter - 24 Organic Farming in Live Stock and its Maintenance	184-190
Chapter - 25 Eating for Life	191-193
Chapter - 26 The Agricultural Biosecurity Bill, 2013	194-195
Chapter - 27 Computer Basics	196-200
References	201-208
Model Question Paper	209-214
Live Stock PSC Previous Question Paper	215-222

Chapter-1 LIVESTOCK SECTOR-PROSPECTS AND CHALLENGES

INTRODUCTION

Livestock sector has been well knit with the socio-economic fabric of rural economy and plays an important role in the employment and income generation. Milk and milk products, meat and eggs are the major components through, which livestock contributes to the agricultural income. They contribute about one-sixth of the calories and one-third of the proteins in the per capita food supplies of the world; the balance comes from vegetable products. Per capita consumption of livestock products is, however, four to five times higher in the developed countries than in the developing countries. Although India has huge livestock population, in terms of trade it stands insignificant in the world trade of livestock products. But India has tremendous potential to produce and export various livestock products. The high potential of the domestic market coupled with marketing opportunities abroad under WTO regime now render India to an enviable position to cater to the huge global

market of livestock products, particularly dairy products. Among various animal husbandry activities in India, dairying is treated as the most important since milk serves as one of the main sources of proteins and calcium for human health. Our livestock are roughly half as efficient as the average milch animals in the world and probably around one-fifth as efficient as those in the advanced countries. The milk grid in this country is based on the average produce of millions of small illiterate farmers who are still unaware of scientific dairy farming. However, despite several limiting factors, dairy industry of India has undergone considerable transformation in due course of time. The investment, effort, innovation and energy of our farmers and industry have seen India moving from insignificant to a major player in the world dairy scene. India today ranks as the world's largest milk producer and the value of output through dairying is the largest when compared to any other agricultural commodity.