प्रदेश लोक सेवा आयोग, प्रदेश नं.२

कृषि सेवा, लाईभस्टक पोल्ट्री एण्ड डेरी डेभलपमेण्ट समूह, अधिकृत नबौं तहको खुला र अन्तर सेवा प्रतियोगितात्माक लिखित परीक्षाको पाठयक्रम

द्वितीय पत्रः समूह सम्बन्धी पूर्णाङ्गः १००

1. INTRODUCTION

- 1.1 Relation of livestock with agriculture, forestry and environment
- 1.2 Statistics on livestock and livestock products
- 1.3 Present status of livestock research and development
- 1.4 Livestock credit and insurance
- 1.5 Province no.2, Live Stock Development infrastructure and statistics.

2. ANIMAL NUTRITION

- 2.1 Feeds and feeding standards for each livestock and poultry species
- 2.2 Nutritional contents of different species of pasture, fodder, fodder trees including indigenous species, agricultural and industrial by-products
- 2.3 Different methods of nutritional analysis of livestock feeds and fodder
- 2.4 Computation of ration for different livestock and poultry species
- 2.5 Minerals, vitamins and trace elements requirement for different species of livestock and poultry their sources and deficiency syndromes
- 2.6 Utilization of crop and industrial by-products in poultry and livestock

3. PASTURE AND FODDER

- 3.1 Classification of different types of pasture and fodder species
- 3.2 Indigenous species of pasture and fodder found in different parts of Nepal
- 3.3 Different species of pasture, fodder and fodder trees Cultivation and management practices
- 3.4 Rangeland management practices in different parts of the country
- 3.5 Different methods of forage conservation and their nutritive values
- 3.6 Seed production of different pasture and fodder species

4. LIVESTOCK BREEDS, BREEDING AND REPRODUCTION

- 4.1 Description (Breed characteristics, habitat, productivity) of different species of exotic and indigenous livestock and poultry
- 4.2 Sire evaluation for selecting the elite bulls
- 4.3 Genetic parameters for the selection of livestock and poultry maintained for different purposes
- 4.4 Breeding principles
- 4.5 Methods of selection
- 4.6 Quantitative genetics of livestock and poultry (gene, cell division, chromosome number, genotype, phenotype, breeding values, hybrid vigour, sex linkage, dominance and recessive gene etc.),
- 4.7 Anatomy of male and female reproductive organs of different species of livestock and poultry
- 4.8 Different types of reproductive hormones and their functions
- 4.9 Different Stages of Reproduction and Estrous cycles
- 4.10 Reproductive disorders and their corrective measures
- 4.11 Collection, processing, evaluation and storage of warm and frozen semen
- 4.12 Artificial insemination technique
- 4.13 Pregnancy diagnosis technique

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5. LIVESTOCK AND POULTRY MANAGEMENT

- 5.1 Classification and identification of livestock and poultry
- 5.2 Housing and space requirement of different livestock and poultry
- 5.3 Casting technique
- 5.4 Different types of record maintenance of farm animals and poultry
- 5.5 Management of different stages of animal (young, pregnant, production, breeding, dry etc)
- 5.6 Hatchery management
- 5.7 Commercial poultry breeds

6. LIVESTOCK EXTENSION

- 6.1 Social mobilization, gender integration and group dynamics
- 6.2 Pocket package program
- 6.3 Capacity building of farmers and extension staffs
- 6.4 Participatory approach in planning, implementation and monitoring from grassroot level
- 6.5 Public-private/NGO/CBOs partnership program
- 6.6 Different types of communication system
- 6.7 System learning approach

7. AGRO-PROCESSING AND MARKETING

- 7.1 Physiology of milk secretion and composition of milk and milk products
- 7.2 Hygienic milk production
- 7.3 Handling, processing and quality management of milk and milk products
- 7.4 Manufacture and marketing of different dairy products
- 7.5 Hygienic meat production
- 7.6 Handling, processing and quality management of meat and meat products
- 7.7 Manufacture and marketing of different meat products
- 7.8. Marketing network of live animal
- 7.9 Egg, wool, hides and skins, bones etc marketing system

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