

25. LIVESTOCK AND DAIRYING

(To be offered by the Collegiate Students of Shri Pragma Mahavidyalaya, Bajaj Nagar and Government College, Rajgarh).

Scheme :

Min. Pass Marks 48		Max. Marks 132
Paper-I. Duration	3 hrs. duration	Marks 66
Paper-II. Duration	3 hrs. duration	Marks 66
Practical		
Min. Pass. Marks 24	4 hrs. duration	Marks 68

Paper-I : Principles of Animal

Husbandry and Livestock Management

1. Livestock population of India with special reference to Rajasthan. Distribution of different categories of livestock according to

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Syllabus B.A. Part I

the agroclimatic conditions of the state.

2. Contribution of animal and animal products in the economy of Rajasthan.

3. Characteristics of the following breeds of Livestock. Cattle Tharparker, Hariana, Gir, Nagauri, Rathi, Mewati, Shahiwal, Melvi, Jirsey, Hostein, Freisian, Red dane.

Buffallows—Murrah, Surti, Mehsana.

Goats—Sirohi, Alwar, Barbari, Jamunapuri, Beotal, Marwari.

Sheep—Sonodi, Chokia, Bikaneri, Marino, Rambouilet Camel-Rid Dmeru.

Poultry—Phode Island Red, White, Leg Horn, Wyte Roe.

4. Outline of anatomy of cattle and buffallows. Body Temperature, respiration and pulse rate.

5. Housing of Livestock, location, site sign construction. Arrangement / Groupings of different buildings.

6. General care of the animals grooming exercise bathing observation of oestrus, service care during pregnancy and at parturition, drying off.

7. Care of newly born calf. Marking, dooming, castration.

8. Important points for the management of bulls, goat, sheep and pouilly.

9. Livestock farm equipment, sanitarp requirements, disposal of animal water.

10. Familiarity with common ailments and diseases of farm animals wounds. Navel ill, prolapse of natural and vagina; bipat, impaction, scour phenomena, mastitis, milk fever. Anthrax, FMD, HS, RP, Black quarter, Enterotoximea, piarrhoea. Common external and internal parasites.

11. Maintenance of farm records.

12. Government Assistance and facilities available for Livestock.

Paper-II Principles of Feeding and Breeding Livestock

1. Digestive system of ruminants and its peculiarities.

2. Physiological role of good nutrients, their digestion, importance of scientific feeding.

3. Nutritional requirement of farm animals for different purposes.

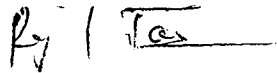
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4. Common feeds and fodder and their nutritive value, Characteristics of ideal ration.
5. Feeding pregnant, lactating animals, breeding bulls and bullocks.
6. Production of different types of grasses and forage, making of hay and silage.
7. Preparation of cheese balanced ration for milk production.
8. Feeds supplements and additives.
9. Importance of scientific breeding system of breeding.
10. Male and female reproductive system, development of organs and their function, role of economic glands.
11. Signs of heat and time of breeding.
12. Natural service and artificial insemination, infertility in livestock.
13. Diagnosis of Pregnancy.
14. General hints on selection, score card, performance, pedigree and history sheets, culling.
15. Maintenance of breeding records.

Practicals

Min. Pass Marks 24 4 hrs. duration Max. Marks 68

1. Study of external parts of animal, handling and securing of animals hoof training.
2. Castration, dehorning, making and throwing.
3. Determination of body, weight and age.
4. Recording of temperature, pulse and respiration of animals.
5. Administration of medicines through different routes.
6. Communication of ration, blending food preparation of hay and silage.
7. Diagnosis of common ailments and first aid.
8. Collection of semen and artificial insemination.
9. Judging of animals on the basis of score card.
10. Washing dairy utensils, milking of animals.
11. Cleaning and disinfection of dairy sheds.
12. Working out the building requirements for different animals.


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