

Jawaharlal Nehru Krishi Vishwa Vidyalaya

Mid Term Examination

Name of Course: Livestock and Poultry Management

PART A

Tick the correct answer (1 mark each)

1. The goat breed suitable for cities and town is:

- d) Barbari

2. Which of the following is not a milch breed of cattle:

- b) Malvi

3. Milk requirement for calf is:

- b) 1/10th of body weight

4. The Indian breed of poultry known for its powerful built of body and fighting qualities:

- a) Aseel

5. Length of oestrus cycle in cow and buffalo is:

- c) 21 days

Write True or False (1 mark each)

1. Haryana is an important dual-purpose breed of indigenous cattle.

- True

2. The act of hatching must be turned during first three days of incubation.

- False

3. The poultry breeds of English origin are noted mainly for their egg production.

- True

4. For cattle, the optimum service period should be 60-90 days.

- True

5. The Black Bengal goat is famous for its meat production.

- True

Fill in the blanks (1 mark each)

1. Rank of India in milk production is: - 1st

2. The act of giving birth in sheep is known as: - Lambing

3. Sickle shaped horns are found in: - Murrah breed of buffalo

4. The headquarter of National Dairy Research Institute is located at: - Karnal

5. The crossbred cattle Frieswal was evolved with the crosses between: - Holstein Friesian and Sahiwal

PART B (3 marks each)

1. Various system of housing in dairy animals:

- Loose housing system

- Conventional barn system
- Open paddock system

Each system should ensure comfort, cleanliness, ventilation, and ease of handling.

2. Colostrum feeding:

- First milk produced after calving.
- Rich in antibodies (immunoglobulins), vitamins, and proteins.
- Should be fed within the first 2 hours of birth to calves/kids for immunity.

3. Age at puberty:

- Cattle: 12-18 months
- Buffalo: 15-24 months

Influenced by breed, nutrition, and management.

4. Deep litter system in poultry:

- Poultry kept on bedding material like straw, sawdust.
- Bedding not cleaned frequently, but fresh litter added.
- Helps in warmth, microbial balance, and manure production.

5. Murrah breed:

- Premier milch breed of buffalo from Haryana.
- Jet black body, tightly curled horns.
- High milk yield (~8-12 liters/day), fat content ~6-8%.
- Docile temperament and well adapted to Indian climate.