

1129

B. Voc. (Agri-Business and Agrarian Entrepreneurship)

First Semester

ASC-104: Livestock Production and Management

Time allowed: 3 Hours

Max. Marks: 40

**NOTE:** Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Give a brief account of the following:-

- a) Castration
- b) Dehorning
- c) Weaning of animals
- d) Frozen semen

(4x2)

**UNIT – I**

II. a) What is meant by culling? Why is it important? Describe culling in detail.

b) Discuss the role of State and National breeding policies for dairy animals. (4,4)

III. a) Differentiate between Inbreeding and Cross-breeding. Discuss how selection is done for breeding purposes in cattle.

b) Discuss the importance and process of maintenance of farm records for a dairy. (4,4)

**UNIT – II**

IV. Write short notes on:-

- a) Oestrous cycle
- b) Parturition and related precautions

(4,4)

V. a) What is artificial insemination? Discuss the method of preservation of semen and its use in artificial insemination.

b) Discuss briefly the advantages and disadvantages of Embryo Transfer Technology (4,4)

**UNIT – III**

VI. a) Discuss the importance of location and site selection for planning a dairy farm.

b) How is the care of young calf managed? (4,4)

VII. a) Describe briefly the different types of housing systems for dairy animals.

b) Discuss the management practices of dentition and ageing animals. (4,4)

P.T.O.

(2)

**UNIT - IV**

VIII. Write brief notes on:-

- a) Feeding behaviour in sheep
- b) Discuss the different breeds of sheep and goat and highlight their characteristics by which they are identified (4,4)

IX. a) Describe the housing system requirements of sheep and goat.

- b) Discuss the health management practices of sheep and goat briefly. (4,4)

x-x-x