

3-1-109

SUBJECT: DAIRY SCIENCE
SEMESTER-I
Paper I: DAIRY HUSBANDRY-I

Unit I:

Livestock census; Breeds of Dairy cattle, Buffaloes and Goats: Indigenous, Exotic and Crossbred Cattle breeds

Unit II:

Anatomy of Udder; Development of udder; Lacto genesis and Galactopoises; Let down of milk.

Unit III:

Artificial insemination; Oestrous cycle; Symptoms of heat in cows and buffaloes. Conception, Pregnancy diagnosis in cattle. Multi ovulation and embryo transfer technique. Cloning.

Unit IV:

Economic traits of Dairy cattle. Methods of selection of dairy animals.

Unit V:

Systems of Dairy cattle breeding. Inbreeding, out breeding, Cross breeding, Grading up. Breeding systems suitable to enhance milk production in India (Cross breeding of cattle and Grading up of buffaloes).

Practical:

1. Points dairy cow.
2. Identification of different breeds of dairy cattle and buffaloes.
3. Male and female reproductive systems.
4. Symptoms of heat in cow.
5. Artificial insemination
6. Pregnancy diagnosis in cattle.
7. To study the comparative merits of cows and buffaloes; zebu and crossbred cows

Reference books

1. Text book of Animal Husbandry - G C Benarjee
2. Hand book of Animal Husbandry - ICAR Edition
3. Principles and practices of Dairy Farm - Jagdish Prasad

**Signature of the
Chairman (B.O.S.)
(20.....Exams)**

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SRU web. site.

SRI VENKATESWARA UNIVERSITY

Three Year Degree Programme

AAO

27/11

KVM 20/11

27/11/15

I B.Sc. -DAIRY SCIENCE PAPER -I; SEMESTER -I

THEORY MODEL PAPER: Paper -I Dairy Husbandry

Time- 3 Hours

Max. Marks: 75

SECTION- A (SHORT ANSWERS)

(Instructions to the paper setter: To keep at least one question from each unit, maximum eight from all)

Answer any five of the following

5x5 = 25 marks

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

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SECTION-B (ESSAY QUESTIONS)

(Instructions to the paper setter: To keep one question from each unit)

Answer all the following questions

5x10=50 marks

9 a)

Or

b)

10 a)

Or

b)

11 a)

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