

Total No. of Printed Pages: 02

SUBJECT CODE NO: - Y-2257
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (PATTERN-2013) T.Y. (SEM VI)
Examination April / May - 2024

Dairy Science and Technology Paper- XIX (Genetics and animal breeding)

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt All questions.
- 2) Use any blue or black pen.
- 3) Illustrate your answer with suitable labelled diagram.

Q1 Define Mutation. Describe types of Mutation and probable agencies inducing Mutation. 20

OR

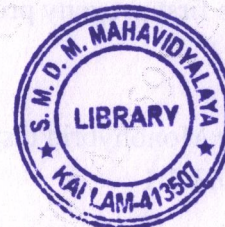
Describe the process of meiosis

Q2 Describe the effect of inbreeding on growth, production & reproduction. 20

OR

Write Short notes on any four.

- a) Modified dihybrid cross.
- b) Progeny testing.
- c) Nutritional causes of sterility.
- d) Species hybridization
- e) Line breeding
- f) Adaptability of cross breeds in tropics.



Q3 Write the correct answers of following multiple choice questions. 10

- 1) _____ is known as father of genetics.
 - a) Gregor Mendel
 - b) William Bateson.
 - c) Robert Hooke
 - d) Linnaeus

