MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION
B.Sc.(Hons.) Agriculture

Semester	: I (New)	Term	: First	Academic Year	: 2022-23
Course No.	: AHDS 111	Title	: Livestock Production and Management		
Credits	: 2 (1+1)				
Day & Date	: Friday, 31.03.2023	Time	: 10:00 to 12:00 hrs.	Total Marks	: 40

Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
2. All questions from SECTION 'B' are compulsory.
3. All questions carry equal marks.
4. Draw neat diagram wherever necessary.

SECTION 'A'

Q.1 Explain in short the role of livestock in Indian economy and socio-cultural status.

Q.2 Give the classification of Indian cattle breeds on the basis of utility with suitable examples.

Q.3 Explain in short the care and management practices of newly born calves.

Q.4 Describe in short about origin, alternative name, distinguishing body characters and economic characters of Sahiwal breed of cow.

Q.5 Describe briefly various organs of bovine male reproductive system with their functions.

Q.6 Describe in detail feeding and management of cow before, during and after parturition.

Q.7 Explain any two diseases with cause, symptoms, preventive and control measures:

a) Foot and mouth b) Anthrax c) Black quarter

Q.8 What is meant by organic livestock production? Explain in short organic livestock farming standards.

Q.9 What do you know about climate change? Explain in short the effect of climate change on livestock production.

Q.10 Write short notes on (Any Two):

a) Concepts of A1 and A2 milk

b) Estrous behavior in cow

c) Integrated livestock farming

SECTION 'B'

Q.11 Define the following terms:

1) Sire 2) Gestation period 3) Fertility 4) Lactation period

Q.12 State True or False:

1) National Dairy Development Board is located at Anand.

2) Buffaloes belong to species *Bos indicus.*

3) The act of giving birth to the young one in cows is known as calving.

4) Roman type nose shape is a typical phenotypic character of Gir cows.

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