MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	**: I (New)**	**Term**	**: I**	**Academic Year**	**: 2017-18**
Course No.	: AHDS 111	**Title**	**: Livestock Production and Management**		
Credits	: 2(1+1)				
Day & Date	: Thursday, 04.01.2018	**Time**	: 09.00 to 11.00	**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 diagrams wherever necessary.

SECTION "A"

Q.1 Write in detail the importance of livestock in national economy.

Q.2 Write home tract, important physical and economical characteristics of the following breeds (Any Two).

a) Deoni b) Jersey c) Murrah

Q.3 Comment on care and management of newly born calf.

Q.4 Write down the cause, symptoms, treatment and prevention of Black Quarter.

Q.5 Write the functions of various organs of male reproduction system of cattle.

Q.6 What is meant by organic livestock farming? Give advantages of organic livestock farming.

Q.7 Explain in brief the care and management of breeding bull.

Q.8 What is sterility? What are the main causes of sterility in farm animals?

Q.9 Explain in brief the adaptation strategies for reducing the negative effect of climate change on livestock production.

Q.10 Write short notes (Any Two).

a) Care and management of pregnant animal
b) Livestock developmental programme
c) Integrated crop-livestock system

SECTION "B"

Q.11 Define the following terms.

1) Breed 2) Lactogenesis
3) Dam 4) Ovulation

Q.12 Do as directed.

1) Which muscle checks the entry of microorganism and other contaminants into the teat?
2) Cost of concentrate is fixed cost (State True or False)
3) Milk containing A_1 beta-casein has 67^{th} amino acid switch from proline to _____. (Fill in the blanks)
4) Which are the four pillars for livestock improvement?

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