

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : IV (New)	Term : II	Academic Year : 2015-16
Course No. : ASDS 242	Title : Livestock Breeding and Nutrition	
Credits : 2 (1+1)	Time : 14.00 to 16.00	Total Marks : 40
Day & Date : Thursday, 28.04.2016		

- 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 State the systems of animal breeding and explain cross breeding.
- Q.2 Draw a neat well labeled diagram of digestive system of cattle and write the functions of rumen and reticulum.
- Q.3 Narrate in brief the history of animal breeding.
- Q.4 Differentiate between the qualitative and quantitative traits in farm animals.
- Q.5 What is mean by chromosomal abnormality? Give the summary of classification of chromosomal abnormality.
- Q.6 Give brief classification of feeds and fodder.
- Q.7 Differentiate between the composition of plant and animal body.
- Q.8 Describe the functions of protein in animal body.
- Q.9 Explain the methods of selection.
- Q.10 Write short notes on (Any two).
- 1) Mutation
 - 2) Gene expression
 - 3) Complete feed block

SECTION "B"

- Q.11 Define the following terms.
- 1) Gene frequency
 - 2) Feed additives
 - 3) Mitosis
 - 4) Feeding standard
- Q.12 Do as directed.
- 1) Which mineral deficiency causes pica?
 - 2) Metabolic water contributes about _____ % of the total water requirement of the animal.
 - 3) Mule is an example of _____.
 - 4) What is the full form of DNFE?

