

# KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission

III<sup>rd</sup> Semester Final Examination- January /February -2013

Cat. No: Anhs.2101

Marks: 80

Title: Livestock Production and Management (2+1)

Time: 3 hours

I a) Fill up the blanks (5x1 = 5)

1. Holstein Friesian is an exotic cattle breed with ----- colour.
2. An adult female goat is called .....
3. 19<sup>th</sup> quinquennial census took place in the year-----
4. Oestrous cycle is a cow has a length of ----- days.
5. Gestation period of pig is ----- days.

b) Expand the following (5x1 = 5)

1. KLDB
2. NDDB
3. AMUL
4. IBD
5. SNF

III Write short answers (Any Ten) (10x3 = 30)

1. Name any four poultry diseases which can be prevented by vaccination. Give the vaccination schedule for broiler chicken.
2. Explain HTST pasteurization
3. What is the composition of cow's milk? What are the factors affecting composition of milk in cows?

5. What are the signs of approaching parturition in rabbits? What is meant by nest box?
6. What are the symptoms of Foot and Mouth Disease in swine ? How is it prevented?
7. What are the symptoms of milk fever?
8. What are the properties of good litter material?
9. Distinguish between roughages and concentrates? Give examples for both.
10. What is meant by quarantine?
11. What is colostrum? What is its importance?
12. What are the signs of heat in cows?

III Write short essays on Any Six of the following (6x5 = 30)

1. Artificial insemination in cows
2. Housing of goats
3. Cage system of rearing in poultry
4. Formation of eggs
5. Describe in details animal, plant and soil inter relation ship
6. Explain in detail collection, evaluation dilution and preservation of semen for AI in cattle
7. Importance of buffalo rearing in India
8. Draw and label the female reproductive system in cows

IV Write Essay on Any One (1x10 = 10)

1. Role of Livestock in Indian Agriculture
2. Etiology, symptoms and control of mastitis in cattle