

**KERALA AGRICULTURAL UNIVERSITY**  
B.Sc. (Ag) 2004 Admission IV Semester Final Examination,  
December 2006

2004-04

Anhs 2201  
Livestock and Poultry Management (1+1)

Max. Marks: 60  
Time: 2 hours

**PART - A**

**ANSWER ALL QUESTIONS**

(20 x 0.5 = 10)

1. Vitamin A is rich in \_\_\_\_\_ Cattle feed stuff.
2. Each dose of frozen semen contain \_\_\_\_\_ million spermatozoa
3. skim milk is in slight \_\_\_\_\_ colour.
4. In deep litter system for a broiler \_\_\_\_\_ sq.ft. floor space is required.
5. Milk contains \_\_\_\_\_ % of moisture.
6. In UHT process milk is subjected to \_\_\_\_\_ temperature.
7. Hay contains \_\_\_\_\_ % of moisture.
8. \_\_\_\_\_ mineral is exclusively present in egg shell.
9. \_\_\_\_\_ is a protozoan disease affecting poultry.
10. To produce uniform small size fat globules in the milk \_\_\_\_\_ process is followed.
11. \_\_\_\_\_ % of crude protein is present in layer mash.
12. \_\_\_\_\_ is the home track of Holstein Friesian.
13. Young one of a sheep is known as \_\_\_\_\_
14. The young product carbohydrate digestion in ruminants is \_\_\_\_\_
15. The pregnancy period of buffalo is \_\_\_\_\_ days.
16. A castrated cock is known as \_\_\_\_\_
17. \_\_\_\_\_ is an example for a local dual purpose breed.
18. The weight of a day old layer chick is \_\_\_\_\_ grams.
19. From \_\_\_\_\_ week onwards a commercial layer will start laying eggs.
20. \_\_\_\_\_ is done in animals to protect against contagious diseases.

**PART - B**

**ANSWER ALL QUESTIONS**

(14 x 1 = 14)

**Define**

1. Quarantine
2. Parturition
3. A.I.
4. Filtration
5. Runt

**Differentiate**

6. Fertility Vs Sterility
7. Roughage Vs Concentrate
8. Gilt Vs Pullet
9. Total solids Vs SNF.
10. Infectious Vs Contagious.

**Give reasons**

11. Cows milk is yellow tinged. Why?
12. Low fibre diet is prepared in poultry. Why?
13. Culling is important. Reason out.
14. Why castration is done in male animals alone.

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**PART - C**

**Answer any EIGHT**

(8 x 2 = 16)

1. Give the composition of calf starter
2. Cost benefit ratio.
3. Brooding temperature of chicks.
4. Name stages of Estrus cycle.
5. Composition of milk.
6. Name one exotic breed of origin in a) Cattle b) Pig c) Goat d) Sheep
7. Mentioned the temperature and relative humidity of setter and Hatcher of a incubator.
8. Compare fat corrected milk with single toned milk
9. Give the inclusion level of following ingredients in broiler starter ration  
a) Fishmeal b) Mineral mixture c) salt d) vitamins
10. Compare Metritis with mastitis

**PART - D**

**Answer any FOUR**

(4 x 5 = 20)

**Short Essays**

1. Classify diseases of **Poultry**. Discuss in detail any one of the economically important disease which affects poultry industry with special emphasis on causative organism, symptoms, treatment, prevention and control.
2. Compare and contrast different systems of goat rearing.
3. Mentioned different methods of conservation of fodder. Describe anyone of the method which is highly suitable for tropical climatic country.
4. With the following parameters. Calculate a) specific gravity c) fat content and fat corrected milk.  
i. Temperature of milk 68<sup>o</sup> F. ii. Lactometer reading 27 iii. Protein content of milk 3.7%.
5. In a village most of the breedable population of cattle are either repeat breeder or suffering from metritis. What is your opinion and observation? Suggest ways and means to alleviate the problem and to improve the breeding status of the animals in that particular village.
6. Discuss in details any one metabolic disease and any one nutritional deficiency disease affecting dairy cattle with remedial measures.