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## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(Ag)-Hons-2021

Course Name – Livestock and Poultry Management-II

Course Code - CC-BAG478(T)

( Semester IV )

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Which system contains blood ,consists of red blood cells, white blood cells, and platelets?
- a) endocrine system  
b) skeletal system  
c) circulatory system  
d) respiratory system
- (ii) Which feed nutrient is the most important on a daily basis for livestock:
- a) Protein  
b) Energy nutrients  
c) Water  
d) Vitamins
- (iii) In monogastric animal the digestion of protein begins which of the following organ
- a) Liver  
b) Mouth  
c) Small intestine  
d) Stomach
- (iv) Which of the following minerals is classified as a trace mineral
- a) Calcium  
b) Potassium  
c) Phosphorus  
d) Salt
- (v) The digestive system in swine begins with the:
- a) Stomach  
b) esophagus  
c) Small intestine  
d) Mouth
- (vi) Which of the following swine health problems is caused by a nutritional deficiency?
- a) Anemia  
b) Influenza  
c) Pseudorabies  
d) Erysipelas
- (vii) Which system breaks food down so that it can be used by the body?
- a) urinary system  
b) digestive system  
c) endocrine system  
d) circulatory system
- (viii) Feed additives in swine rations that control internal parasites are:
- a) Anthelmintics  
b) Antibiotics  
c) Vitamins  
d) Amino acids

- (ix) Polygastric digestive system is present in  
 a) Equine  
 b) Canine  
 c) Ruminants  
 d) Humans
- (x) The primary use of nutrients in a ration for livestock is for:  
 a) reproduction  
 b) maintenance  
 c) growth  
 d) Fat
- (xi) Which character is considered for emergency culling.  
 a) Genetic defect  
 b) positive for contagious diseases  
 c) Bloat for over feeding  
 d) Poor body weight and growth
- (xii) A magnesium deficiency in lactating beef cattle can cause:  
 a) bloat  
 b) paratuberculosis  
 c) milk fever  
 d) grass tetany
- (xiii) Which of the following feeds is highest in total digestible nutrients (TDN)?  
 a) sudangrass  
 b) silage  
 c) soybean meal  
 d) coastal bermuda
- (xiv) Which of the following is an example of a roughage.  
 a) Wheat  
 b) Barley  
 c) Oats  
 d) Hays
- (xv) Which amino acid is classified as essential for swine?  
 a) alanine  
 b) tyrosine  
 c) lysine  
 d) proline
- (xvi) The first successful cloning of livestock was done in 1996 with:  
 a) Swine  
 b) Cattle  
 c) Sheep  
 d) Goats
- (xvii) The first milk production after giving birth is known as:  
 a) Lactose  
 b) Colostrum  
 c) Buttermilk  
 d) Skim milk
- (xviii) Most food nutrients used by the animal are absorbed from the :  
 a) stomach  
 b) duodenum  
 c) small intestine  
 d) cecum
- (xix) Which system delivers food and oxygen to the cells of the body and eliminates waste products?  
 a) endocrine system  
 b) skeletal system  
 c) circulatory system  
 d) respiratory system
- (xx) Corn silage, pasture, and hay are examples of what type of feed?  
 a) Leguminous  
 b) Roughages  
 c) Concentrate  
 d) None of the above

### Group-B

(Short Answer Type Questions)

2.5 x 10=25

2. Briefly explain the use of additives in chicken rations (2.5)
3. What is body condition score system? (2.5)
4. What are the four substances that make up carbohydrates? (2.5)
5. Write the brief notes on Rules of Thumb for Balancing Rations of Sheep. (2.5)
6. Write the brief notes on Rules of Thumb for Balancing Rations of Horse (2.5)
7. Name the 10 essential amino acids. (2.5)
8. What is the difference in value between animal protein sources and plant protein sources? (2.5)
9. List three plant protein sources and three animal protein sources (2.5)
10. What is artificial insemination? (2.5)

11. How much feed per day and per year is needed for light and heavy breeds of laying hens (2.5)

**OR**

Write the brief notes on Rules of Thumb for Balancing Rations of Goat. (2.5)

**Group-C**

(Long Answer Type Questions)

5 x 1=5

12. Draw the figure of Goat and point out the different body parts. (5)

**OR**

What is the difference between crude protein and digestible protein? (5)

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