

Q1- Define the following words (choose 5 only) (10) Marks

M cal , British thermal unit , Protein Equivalent , Net energy , Flushing , NRC

Q2- Fill the following blanks using words between the bows. (10) Marks

(faecal , temperature , energy , methionine , intestine , pancreatic secretions , gut , Calorie , cold , decreases , balance , water , tryptophan)

1. In a digestibility trial, the food under investigation is given to the animal in known amounts and output is measured.
2.: The amount of energy as heat required to raise theof 1 gram of water to 1 °C (precisely from 14.5°C to 15.5°C).
3. For poultry, evaluation of protein sources is based upon the amounts of the three major limiting amino acids, lysine, and
4. The endogenous nitrogen contains non-food substances entering the such as saliva, bile, gastric and , and cells sloughed off the mucous membrane of the
5. Climate has the greatest influence on energy requirements, and in climates animals kept at or below the maintenance level are most affected.
6. The content of water with age, as presented in Following figure for the male broiler.
7. Water is the difference between intake and losses.

Q3- Answer 2 only.

(10) Marks

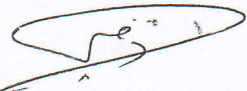
A: Enumerate the factors affecting on the metabolisable energy values of foods.

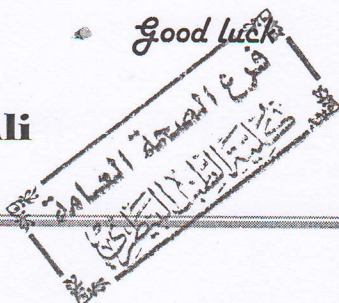
B: Explain the importance of Laboratory method for measure the digestibility.

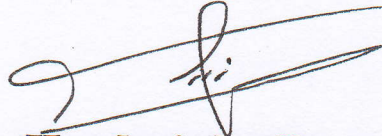
C: Draw the typical sigmoid growth curve of dairy cow .

Q4- A: Discuss the Plane of nutrition of male animals (mammals). (10) Marks

B: A number of changes occur in the animal as a result of heat stress , enumerate it .


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