



Questions Bank

Animal Nutrition

Q1// Define the following words

Animal Nutrition , Nutrients , Nutritious , Nourish , Feed , Diet ,
Additives, Ration , Balanced ration, Complete ration .

Q2// Fill the following blanks.

1- Nutrition Steps is , , , ,
and resulting,

2- Animal Nutrition means (all the **processes** whereby food and
oxygen are presented to and utilized by living cells, and waste
products are

3- The chief classes of nutrients include- 25 carbohydrates, 15 fatty
acids, 20 , 15 **essential** and 10 probably, 20
vitamins.

4- The diet of farm animals in particular consists of plants and
.....

5- The content of water decreases with

- 6- The term carbohydrate was originally coined because these molecules were believed to beof carbon, having the general formula
- 7-can be converted to glucose readily in the liver
- 8- Carbohydrates make up% of swine diets (and also poultry diets), thus important from a nutritionalas well as an economical standpoint.
- 9- Carbohydrates make up 75% ofof many plants on which manyprimarily depend on.
- 10- Polysaccharides have C including,
- 11- the energy stored as carbohydrates or glycogen is very small - e.g., in 70kg man: Stored carbohydrates = (350 g muscle glycogen, 85 g liver glycogen, and 20 g glucose in ECF). vs fat =
- 12- Glucose is formed in the liver from glycogen byand de-branching enzyme and also by

Q3// What is the Role of nutrition in animal production and health?

Q4// Discuss Distribution of water.

Q5// What is Role of water ?

Q6// Enumerate the sources of water.

- a-Plant lipids are of two main types :.....and..... .
- b-The yield of energy from the complete oxidation of fat is about..... compared with about.....from glycogen.
- c- Fats are esters ofwith..... .
- d- Secondary protein structure occurs when the sequence of..... are linked by..... .
- e- Amino acids are characterized by having a basic.....and.....
- f- A polypeptides is a polymer of..... .
- g- Quaternary structure results when a protein consists of.....
- h-Amino acids are produced when proteins are.....by.....
- i- The microbial protein passes from the rumen and digested in..... .
- j- The lipids are.....but soluble in..... .
- k- The presence of a double bond in a fatty acid molecule means that
- l- Vitamin.....,.....,.....,and..... are.....in fats.

Q15// A:- write the most important functions of lipids in farm animals?

B:- write a short text about the four levels of protein structure ?