## Tikrit University College of Veterinary Medicine Dept. of. Public Health



Class: 2nd stage Subject: Animal Nutrition

## Questions Bank

## **Animal Nutrition**

	efine the following words Animal Nutrition, Nutrients, Nutritious, Nourish, Feed, Diet,
Α	dditives, Ration, Balanced ration, Complete ration.
02// F	ill the following blanks.
	-
1.	- Nutrition Steps is, ,,,
	and resulting,
2-	- Animal Nutrition means (all the <b>processes</b> 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
	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
7can 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 =
<b></b>
12- Glucose is formed in the liver from glycogen byand de-
branching enzyme and also by
What is the Role of nutrition in animal production and health?
Discuss Distribution of water.
What is Role of water ?

Q3//

Q4//

Q5//

Q6// Enumerate the sources of water.

Q7// Enumerate Source of Blood Glucose

Q8// Draw A: Basic parts of elementary canal

B: Glycogen breakdown

C: Entrance and removal of blood glucose

D: Glucose Anabolism

Q9// What the mean of Glycogenesis & glycogenolysis

Q10// What the source of Source of Blood Glucose?

lipids, Protein Metabolism

Q11// Define the folloing words or terms :

1-Glycolipids 2- Fats 3- Enzymatic protein 4- Secondary

protein structure 5- Polypeptides 6- Insulin 7- Arginine

8- Mixedtriacylglycerol 9- Lipogenesis 10- Fatty Acid

## Q12// Write briefly about the functions of the folloings :

1- Triglycerides. 2- Hormonal protein

3- Transport protein 4- Subcutaneous fat

5- Fats in desert animals 6- Fats stored in oil seeds

7- Adipose tissue 8- Amino acids

Q13// Draw a simple Scheme of Lipids classification?

Q14// Full the folloing blanks with sutable wards :

a-Plant lipids are of two main types :and		
b-The yield of energy from the complete oxidation of fat is		
about compared with aboutfrom 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 basicand		
f- A polypeptides is a polymer of		
g- Quaternary structure results when a protein consists of		
h-Amino acids are produced when proteins arebyby		
i- The microbial protein passes from the rumen and digested		
in		
j- The lipids arebut soluble in		
k- The presence of a double bond in a fatty acid molecule		
means that		
I- Vitamin,,and arein 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 ?		