

Virtual questions 2 of Animal Nutrition

(VFA , Trace Elements and Vitamins)

Q1: Define the following words or terms :

Propionic acid , Acetic acid , Macro , Micro elements , vitamins

Q2:

A: What the dietary deficiency symptoms of Iodine ?

B- Write briefly about the following :

- 1- Write two of general function of minerals.**
- 2- What the name and function of Vitamin B6 ?**
- 3- Function of Vitamin E**

C- Enumerate the general Function of Minerals:

D- Enumerate the general Function of Vitamins:

Q3:Draw

A- Conversion of carbohydrates to pyruvate in the rumen.

B- Source and fates major of body metabolites

Q4:Full the following blanks with suitable words :

1. Dietary deficiency symptoms of calcium reduced eggshell
2. More volatile fatty acids are produced from the as they have a larger surface area for attack by the
3. Plasma is an exchange medium between cells and the extra-cellular environment and between themselves.
4. Minerals follow labyrinthine pathways through the animal once
5. Non-starch polysaccharides (NSP) of foods may be degraded in the gut of pigs by fermentation
6. Vitamin works with the vitamin folate to make DNA.

7. The volatile fatty acids such as , acid 15-20% and acid 10-15%
8. The diet of farm animals in particular consists of and
9. Glycolysis occurs in the
10. On an exclusive roughage diet the production of acetic acid is
11. The digestion of cellulose and other higher polysaccharides is nevertheless small compared with that taking place in the **horse** and
12. There are about 40 mineral elements that occur in measurable amount in nature in the and animals
13. Lactic acid is also formed as an intermediate product but is fermented to and acid.
14. Plant can synthesize all the vitamins, which they require as a component of various systems.
15. Vitamin A is responsible for the proper functioning of vision and Vitamin C keeps the in healthy state.
16. Dietary deficiency symptoms of calcium reduced eggshell
17. The volatile fatty acids such as , acid 15-20% and acid 10-15%
18. Vitamin K Involved in making body proteins for your blood, bones and