

Time: One Hour

Max. Marks: 25

instruction

- solve any 25 questions from Q.1 to Q.30

- ..... is a substance that promotes the growth maintenance ,function and reproduction of a cell or an organism  
(A)nutrient (B)management (C)ration (D)balanced ration.
- Animal may die in 5 to 10 days when deprived of....  
(A)minerals (B)vitamins (C)proteins (D)water
- which is major source of water to animal body?  
(A)feeds (B)metabolic water (C)drinking water (D)none of above.
- carbohydrates are all compounds of..... hydrogen and oxygen.  
(A)carbon (B)nitrogen (C)sulphur (D)phosphorus
- ..... are the major constituents of most plants comprising from 60 to 90% of their dry mass.  
(A)proteins (B)fats (C)carbohydrates (D)minerals
- More than 50% of the energy value of the diet is provided by the....  
(A)fats (B)carbohydrates (C)proteins (D)minerals
- The term refers to any compound that is soluble in ether.....  
(A)proteins (B)lipids (C)carbohydrates (D)minerals
- In routine field analysis all kinds of lipids are determined together as the.....  
(A)CP (B)EE (C)CF (D)NFE
- Ration for adult ruminants should contain no more than 3 -5%.....  
(A)fats (B)proteins (C)carbohydrates (D)water
- .....are the building blocks of protein.  
(A)fatty acids (B)amino acids (C)crude fibres (D)lipids
- which are chemical compounds contain both an acidic and basic properties?  
(A)amino acids (B)fatty acids (C)CF (D)NFE
- .....may be define as those elements which remain mostly as ash when plants and animal tissues are burned.  
(A)vitamins (B)minerals (C)fats (D)proteins
- In animal body there are about..... mineral elements which occur largely.  
(A)30-40 (B)40-50 (C)10-20 (D)20-30
- ..... accounts for three fourth of the mineral elements in the body.  
(A)iron and zinc (B)tin and Cobalt (C)calcium and phosphorus (D)sodium and sulphur.
- which minerals are toxic at quite low levels in the diet?  
(A)odium and sulphur (B)sodium and sulphur (C)tin and iron (D)none of above
- .....are essential for development of normal tissue for normal health, growth and maintenance.  
(A)water (B)proteins (C)fats (D)vitamins
- These are fat soluble vitamins....  
(A)ABCD (B)ADEK (C)BCDK (D)all above.
- These are water soluble vitamins...  
(A)B and C. (B)A and B (C)C and D (D)E and K.
- .....is live microbial feed supplement which beneficially affects the host animal by improving its intestinal balance.  
(A)antibiotics (B)hormones (C)probiotics (D)minerals
- which is potential beneficial effect of probiotics.  
(A)increased growth rate (B)less resistance to diseases (C)decreased food conversion (D)lowered milk quality.
- The bacteria most commonly used as animal feed probiotics include....  
(A)lactobacillus (B)bacillus (C)streptococcus (D)all above.
- what is livestock population of India according to 2019 livestock census....  
(A)535\*78 millions (B)250millions. (C)350millions. (D)635 millions
- During 2020 concentrate requirement and availability is .....milian tonnes respectively.  
(A)250 and 150 (B)350 and 250 (C)480 and 380 (D)880 and 596.
- livestock feeds are divided into two general classes roughages and.....  
(A)dry roughages (B)green roughages (C)concentrates (D)energy feeds.
- .....are bulky feeds containing more that 18% crude fibre and about 60% TDN.  
(A)roughages (B)concentrate (C)hay (D)silage
- ..... are feeds which contain less than 18% CF and more than 60% TDN.  
(A)silage (B)hay (C)roughages (D)concentrates

## Examination October 2020

27 which is leguminous perennial fodder crop?

- (A) lucerne (B) berseem (C) cowpea (D) cluster bean.

28 which is the most widely used high protein feed?

- (A) mustard cake (B) linseed meal (C) groundnut meal (D) coconut meal

29 Ruminant has..... compartments in the stomach.

- (A) 5 (B) 4 (C) 3 (D) 2

30 Cattle may produce about..... liters of saliva per day.

- (A) 1-5-2 (B) 100-200 (C) 2-5-4 (D) 200-300.