

School: School of Science
Program/s: M.Sc Life Science
Year: 2nd Semester: 3rd

Examination: End Semester Examination

Examination year: December-2021

Course Code: LS-209 Course Name: Animal Nutrition and Health Management
Total M

Code: LS-209 Course Name: Animal Nutrition and Marks: 40

Date: 02/12/2021 Total Pages: 02

Time: 08:30 am to 10:30 am

Instructions:

→ There are total 6 questions in the paper. Necessary options are given in the paper.

→ Read the questions carefully before answering

	w diagrams wherever necessary Details	Marks	COs*	BTL#
. No. Q.1	Choose the correct option.	2		
	 Which is NOT TRUE about the proximate analysis? The Kjedahl process is used to determine nitrogen content of crude carbohydrate. In the dry matter determination water is removed from the sample whereas in ash determination the organic matter is removed from the dried sample. Nitrogen-free extract (NFE) is an estimate of the non-structural carbohydrate content of the feed Ether extract (EE) is a measure of fat content of the feed. Fermented Forage plants relates to: Flash Grazing Strip grazing Hay Silage 		COL	-BT1. B12. B13
Q.2	Fill in the blanks	3		
	 is the second stomach compartment of a ruminant. is the first feed to newborn calf containing high amount of protein, immunoglobulins, antibodies etc. important role in the transport of iron ions from transferrin, found in the plasma, to ferritin, which acts as a store of iron in the bone marrow, liver and spleen. 		(()).	B1 :
Q.3	True or False with justification	3		
	 Methanogenesis is an aerobic process which utilizes carbon as the terminal electron acceptor. Ruminants diet mainly consist of cellulose and fiber which are subsequently digested by the enzymes secreted by the micro-organisms 		CO.	

No.			4-1-	
3. Cyclozoonoses required no invertebrate host for the clife-cycle.				
Q.4 Answer the question in brief	, 4	e i		371
 What are concentrates and state examples of concent What is silage? 	trates?	CC)	B12.
the greation in detail		3		
 Q.5 Answer the question in detail 1. Write a note on Rumen development. 2. Differentiate between a calf nutrition and Heifer Nu 	trition.	((BT1. BT2. BT3
Q.6 Long answer type questions	2	20		
1. Explain in brief the digestive system of ruminants an organism in digestion of the feed with one example. OR Explain about microbial protein synthesis with special UDP. 2. Identify the given figure and explain in brief the model of epidemiology. OR What is epidemiology in context of veterinary science. 3. Explain how ruminants are responsible for increasing the global greenhouse gas. OR What is methanogenesis and explain its different types. 4. Describe three methods of disposal of cadavers. OR What is parasitology and explain different types of ho interactions.	reference to RDP and SEVERE DISEASE MILD ILLNESS EXPOSURE WITHOUT INFECTION		O1.	B11, B12

*******End of Question Paper******