PREVIEW QUESTION BANK

Module Name : Animal Nutrition - 18-ENG
Exam Date : 29-Jun-2024 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	201	Movement of DNA from one bacterium to another through a tubular bridge or pilus: 1. Conjugation 2. Transposition 3. Transfection 4. Transduction A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	202	Which of the following is responsible for eliminating toxic oxygen by-products from cells? 1. Mitochondria 2. Golgi complex 3. Peroxisomes 4. Chloroplasts A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	203	A form of multiple parasitism in which a parasite preferentially attacks a host that is already parasitized by another species is known as 1. Cleptoparasitism 2. Ectoparasitoid 3. Obligate parasitism 4. Superparasitism A1 : 1	4.0	1.00

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		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
4	204	For mass multiplication of DD-136 nematode, the common host used is 1. Silk moth 2. Fruit sucking moth 3. Codling moth 4. Lesser wax moth A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	205	Chlorpyriphos methyl is effective against stored product insects except 1. *Rhizopertha dominica* 2. *Tribolium castaneum* 3. *Caryedon serratus* 4. *Oryzaephilus surinamensis* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
6	206	Which of the following insects often cause inhalational allergies in human following large emergence of adult insects 1. Stick insects 2. May flies 3. Ear wigs 4. Preying mantis A1 : 1 A2 : 2	4.0	1.00

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		A3 : 3 A4 : 4		
Objective Question				
7	207	Given below are two statements: Statement (I): Climate is a weather condition related to smaller areas at a given place and at a given time, Statement (II): Weather is a condition of atmosphere at a given place and at a given time In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	208	The local name of cyclone in Phillippines is 1. Hurricane 2. Cyclone 3. Baquio 4. Typhoon A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	209		4.0	1.00

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		Which one of the following are secondary tillage implements? (A).Subsoiler (B).Cultivator (C).Disc harrow (D).Wetland plough Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (B) and (C) only. 3. (B), (C) and (D). 4. (B) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
10	210	_____ is the most suitable, drought resistant and persistant grass? 1. *Atylosia sp.* 2. *Cenchrus ciliaris* 3. *Stylosanthes hamata* 4. *Sorghum bicolor* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
11	211	The rainfed area in India is aproximately 1. 30 mha 2. 40 mha 3. 57 mha 4. 70 mha A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
12	212	Which nutrient is often a limiting factor in agricultural production? 1. Nitrogen 2. Carbon 3. Oxygen 4. Hydrogen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	213	What is a potential disadvantage of agroforestry systems? 1. Increased soil erosion 2. Decreased carbon sequestration 3. Reduced biodiversity 4. Enhanced susceptibility to pests A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	214	Pungency in mustard oil is due to 1. Amino acid 2. Allyl isothiocyanate 3. Erusic acid 4. Oxalic acid A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
15	215	Sesamum belongs to the family 1. Chenopodiaceae 2. Papilionaceae 3. Leguminosae 4. Pedaliaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
16	216	Dark period is critical in which type of plant? 1. Short day plant 2. Long day plant 3. Day neutral plant 4. All the options A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
17	217	Which of the following is NOT a significant contributor to greenhouse gas emissions from livestock farming? 1. Carbon dioxide 2. Methane 3. Nitrous oxide 4. Ammonia A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
18	218	Fe deficiency is mostly seen in crops growing on 1. Calcareous or alkaline soils 2. Salt affected soils 3. Acidic soils 4. Neutral soils A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
19	219	EDV (Essentially Derived Varieties) are those which are derived from: 1. crossing two commercially known varieties 2. hybrid introduced from other countries 3. existing variety through genetic engineering or mutation 4. crossing commercially known variety with its wild relative A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
20	220	What is the role of "companion planting" in agriculture? 1. Enhancing soil fertility through crop rotation 2. Growing different crop species together to deter pests 3. Cultivating plants in hydroponic system 4. Increasing soil compaction through cover cropping A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
21	1501	Breeding value is 1. Sum of the average effect of alleles 2. Mean deviation of the progeny mean from the population mean 3. Twice the progeny mean 4. Mean deviation of the population from the progeny mean A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
22	1502	Bhimthadi belongs to 1. Gujrat 2. Rajasthan 3. Karnataka 4. Maharashtra A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	1503	Xena is a cloned 1. Sheep 2. Pig 3. Goat 4. Camel A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

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Objective Question				
24	1504	Phenocopy is 1. Variation in phenotype caused by environmental condition 2. Variation in genotype caused by environmental condition 3. Variation in phenotype caused by epistasis 4. Variation in phenotype due to genetic assimilation A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	1505	Which of the following enzyme degrades unincorporated nucleotides and excess ATP in pyrosequencing method 1. Polymerase 2. Sulfurylase 3. Luciferase 4. Apyrase A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	1506	Which sequence is required for Cas9 to act 1. CAS sequence 2. PAM sequence 3. FOKI 4. TALEN A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
27	1507		4.0	1.00

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		The difference between the frequencies in two sexes 1. is half the differences in the previous generation 2. is same as the differences in the previous generation 3. is double the differences in the previous generation 4. is half the differences in the previous generation, but in other direction A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
28	1508	The relationship coefficient between double first cousin is 1. 0.125 2. 0.5 3. 0.25 4. 0.0625 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	1509	Age at sexual maturity of mice is 1. 3-4 week 2. 6-8 week 3. 8-12 week 4. 8-9 week A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
30	1510		4.0	1.00

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		Heterosis in F1 is 1. $1/2dy^2$ 2. dy^2 3. $-1/2dy$ 4. $-1/2dy^2$ A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
31	1511	The percent NDF in total ration is critical for maintenance of normal milk fat? 1. 66 % 2. 22 % 3. 36 % 4. 12 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
32	1512	Which of the following statement is not true? 1. Alkalotic state increases the sensitivity of bone to PTH. 2. Alkalotic state reduces the sensitivity of bone to PTH. 3. Acidotic state increases the sensitivity of bone to PTH. 4. Acidotic state increases the calcium supply. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
33	1513		4.0	1.00

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		Good quality silage is having all the characteristics except 1. pH = 3.8-4.2 2. fungal growth-negative 3. Butyric acid >0.5 % 4. Volatile-N (O total N) <10 % A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
34	1514	Purpose of adding magnesium oxide in the preparation of UMMB block is 1. to keep its shape intact 2. to supplement magnesium 3. to make it laxative 4. to increase hardness A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
35	1515	Mammalian cells are not capable of introducing double bonds beyond: 1. Carbon atom 9 2. Carbon atom 7 3. Carbon atom 11 4. Carbon atom 10 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
36	1516		4.0	1.00

		Effective protein degradability is calculated as per the following formula (Where a = intercept on Y axis, b = difference between a and asymptote, c= rate of disappearance of potentially degradable fraction b and t = time of exposure) 1. $P = a+ bc/c+r$ 2. $P = a+c(1-e^{-ct})$ 3. $P = a+b\ (1-e^{-ct})$ 4. $P = a+b(1-e^{ct})$ A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
37	1517	In CNCPS system, the fraction B3 of proteins refers to 1. NDIP - NPN 2. ADIP - NDIP 3. NDIP - ADIN 4. NDIP - ADIP A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
38	1518	Which of the following statement is incorrect about hay preparation? 1. Hay should not have more than 12-4 % of moisture. 2. Hay is dried more rapidly in the windrow than swath. 3. Losses due to rain are known as leaching losses. 4. Hays are rich in Vitamin D than silage. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
39	1519		4.0	1.00

		Which of the following are true for microbial protein? (A). Diet does not affect the amino acid composition of individual species of bacteria or protozoa per se. (B). Protein quality of protozoa and bacteria are quite similar. (C). True digestibility of protozoa is higher than bacteria. (D). Protozoa numbers are lower on high roughages diets than concentrate diet. (E). Microbial protein contains 20 % nucleic acid. Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (B) (C) and (E) only. 3. (A), (B), (D) and (E). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
40	1520	Which of the following are true for energy metabolism? (A). The burning of 1 g of hydrogen produces over 4 times as much heat as in case of carbon. (B). The large differences in the efficiency of utilization of ME are primarily due to wide variations in the energy losses as HI. (C). Net energy is easier and cheaper to obtain than metabolizable energy. (D). RQ below 0.7 have been observed in fasting. (E). Gross energy of methane is 9.45 kcal/L. Choose the ***correct*** answer from the options given below: 1. (A), (B) (C) (D) and (E) only. 2. (A), (B) and (D) only. 3. (A), (B), (D) and (E). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
41	1521		4.0	1.00

		Floor space requirements in dairy animals is approximately, Covered Space to Open Space is in a ratio of 1. 2:1 2. 1:2 3. 1:4 4. 4:1 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
42	1522	One of the following breed of cattle has a dropping ears. 1. Kankrej 2. Kangayam 3. Gir 4. Bargur A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
43	1523	Arrange the following Indian breeds of buffalo from West to East India (A). Chhatisgarhi (B). Chilika (C). Surti (D). Purnathadi Choose the **correct** answer from the options given below: 1. (A), (D), (C), (B). 2. (D), (B), (A), (C). 3. (C), (D), (A), (B). 4. (C), (B), (D), (A). A1 : 1 A2 : 2	4.0	1.00

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		A3 : 3 A4 : 4		
Objective Question				
44	1524	Which of the following advanced tools/technique used in animal identification in a farm (A). Artificial Intelligence (B). RFID (C). Branding (D). Tagging Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (D) only. 3. (A), (B), (C) and (D). 4. (A) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
45	1525	How much of a concentrate is required per day for a breeding bull, in addition to 20-25 kg of green fodder 1. 1 kg 2. 2.5 kg 3. 0.5 kg 4. 5 kg A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
46	1526		4.0	1.00

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		Himalayan 'Churpi' is a type of dairy product which is produced from Yak and is equivalent to the ..... 1. Butter 2. Ghee 3. Yoghurt 4. Cheese A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
47	1527	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Size of the egg varies with the species and within the species. Reason (R) : Generally the egg size in Indian ducks is smaller than Indian chickens. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
48	1528	In Buffaloes, the vaccination is ususally done to prevent the occurence of the diseases, except for ..... (A). Theileriosis (B). Cocidiosis (C). IBR (D). Distemper Choose the ***correct*** answer from the options given below: 1. (B) and (D) only. 2. (A) and (D) only. 3. (C) and (D) only 4. (D) only.	4.0	1.00

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		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
49	1529	The factor accounting for most of the variation seen in calving interwal of a cows within a breed 1. Gestation period. 2. Service period. 3. Dry period. 4. Transistion period. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
50	1530	Name the breeds of cattle which are largely maintained on pastures and are migratory in nature..... (A). Kankrej (B). Belahi (C). Gojri (D). Sanchori Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (B), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (A), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
51	1531		4.0	1.00

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		Milk is the only source of these nutrients or true constituents of milk are - 1. Lactose and Carotene 2. Lactose and Casein 3. Casein and Albumin 4. Fat and Minerals A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
52	1532	Standards for milk pasteurization are formulated on the basis of following criteria - (A). Complete destruction of pathogenic microbes (B). Reduction in the size of fat globules (C). Inactivation of alkaline phosphatase enzyme (D). Minimum damage to cream line. Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (B), (C) and (D) only. 3. (A), (C) and (D) only 4. (A) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
53	1533	Type of detergent most commonly used in dairy industry is - 1. Acidic 2. Neutral 3. Alkaline 4. PH independent A1 : 1 A2 : 2	4.0	1.00

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		A3 : 3 A4 : 4		
Objective Question				
54	1534	Which amino acid is present in highest concentration in actin? 1. Proline 2. Hydroxy proline 3. Glycine 4. Desmosin A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
55	1535	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Number of mitochondria in white muscle fibre are higher that red muscle fibre. Reason (R) : White muscle fibres are fast twitch fibre that are easily fatigued. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
56	1536		4.0	1.00

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		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Salt is very important ingredients for the preparation of meat batter. Reason (R) : Salt help in the extraction of myofibrillar proteins during processing. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
57	1537	Egg white and egg yolk began to coagulate at the temperature of _____ and _____ respectively. 1. 52 °C and 55 °C 2. 62 °C and 65 °C 3. 72 °C and 75 °C 4. 82 °C and 85 °C A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
58	1538	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Enrichment of the omega-3 fatty acid content of yolk using fish oils or fish meals has been investigated with success by researchers. Reason (R) : The fatty acid composition of yolk lipid is influenced by the type of fat in the diets of the hens. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1	4.0	1.00

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		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
59	1539	The short fibres that are separated from the long fibres during the combing operation of wool processing are known as - 1. Tops 2. Noils 3. Kemp 4. Heterotype A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
60	1540	The removal of vegetable matter from raw wool using chemical method is known as- 1. Carbonization 2. Scouring 3. Combing 4. Shearing A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
61	1541	Necrotic dermatitis of chicken feet is occurred due to deficiency of 1. Mn 2. F 3. Zn 4. Mg A1 : 1	4.0	1.00

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		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
62	1542	The concentration of vitamin A in the ration of poultry should be highest for which class of birds 1. Laying hens 2. Breeding hens 3. Broiler starter 4. Broiler finisher A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	1543	Birds of which class lay larger no. of eggs 1. Mediterranean 2. Asiatic 3. American 4. English A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
64	1544	The period of the life of the layer which follows the brooding up to the sexual maturity is called as 1. Rearing 2. Molting 3. Laying 4. None A1 : 1 A2 : 2	4.0	1.00

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		A3 : 3 A4 : 4		
Objective Question				
65	1545	Energy content of layer feed is 1. 2400 ME 2. 2600 ME 3. 2700 ME 4. 3000 ME A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
66	1546	The chicken has this number of air sacs 1. 4 2. 6 3. 9 4. 3 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
67	1547	The physiological zero temperature for hatching eggs is 1. 20 ^{0}C 2. 15 ^{0}C 3. 24 ^{0}C 4. 18 ^{0}C A1 : 1 A2 : 2 A3 : 3	4.0	1.00

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		A4 : 4		
Objective Question				
68	1548	Kashmir Anz is a 1. Duck 2. Geese 3. Chicken 4. Turkey A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
69	1549	Australorp belongs to _____ class 1. Mediterranean 2. Asiatic 3. English 4. American A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
70	1550	Hansli belongs to which state of India 1. Mahrashtra 2. Jharkhand 3. Odisha 4. Chhatisgarh A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

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Objective Question

71	1000951	If the dry matter of rumen contents and output is 12% and 4% respectively, then the kp for dry matter with an output of 4 lit/h and a ruminal volume of 50 lit will be 1. 0.27/h 2. 37.5/h 3. 0.08/h 4. 12.5/h A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

72	1000952	The concept of essential amino acid was proposed by 1. Holman 2. Burr and Holman 3. Rose 4. Harper A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

73	1000953	A fall in rumen pH is associated with an increase in VFA proportion in the un-dissociated form and therefore, rate of absorption 1. decrease 2. increase 3. May increase or decrease 4. Remain constant A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

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Objective Question

74	1000954	Which of the following statements are correct about ruminant digestive physiology? (A). Large intestine is the major site of sodium absorption. (B). Rumen fungi initiate fibre degradation. (C). Efficiency of energy conservation of glucose is about 39%. (D). Excess of anions causes alkalosis. Choose the **correct** answer from the options given below: 1. (A), (B), and (C) only 2. (A), and (D) only 3. (A), (B), (C), (D). 4. (A), (B), and (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

75	1000955	The objectives of rumen manipulation are to 1. Decrease proteolysis and increase acetogenesis 2. Decrease proteolysis and acetogenesis both 3. Increase proteolysis and acetogenesis both 4. Increase proteolysis and decrease acetogenesis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

76	1000956	Concentration of Ammonia and Total VFA in rumen is highest for? 1. Goat 2. Buffalo 3. Sheep 4. Cattle A1 : 1	4.0	1.00

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		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
77	1000957	Given below are two statements: Statement (I): Trypsin is an example of endopeptidase. Statement (II): Chymotrypsin is an example of exopeptidase. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	1000958	Given below are two statements: Statement (I): Pepsin preferentially attack those peptide bonds adjacent to aromatic amino acids. Statement (II): Trypsin preferentially attack those peptide bonds adjacent to basic amino acids. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	1000959		4.0	1.00

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		Fibrous protein and globular forms of protein are examples of 1. Secondary structure only 2. Tertiary structure only 3. Secondary and Tertiary structure, respectively 4. Tertiary and Secondary structure respectively A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
80	1000960	The B-ring of 7-dehydrocholesterol is opened during its conversion to vitamin D and form a double bond between the carbon atoms at the positions 1. 9 and 10 2. 5 and 10 3. 10 and 19 4. 8 and 10 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
81	1000961	One IU of vitamin D is defined as the activity of .....of vitamin D3 1. 25 µg 2. 25 ng 3. 25 pg 4. 25 mg A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
82	1000962		4.0	1.00

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		Which of the following mineral is associated with Garlic odour. 1. Iron 2. Selenium 3. Cobalt 4. Zinc A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
83	1000963	The iodine content of thyroid gland on dry matter basis (DMB) is 1. 0.1 % 2. 0.5 % 3. 1 % 4. 5 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
84	1000964	Seeds are characterized by having 1. Low calcium and low phosphorus 2. Low calcium and high phosphorus 3. high calcium and high phosphorus 4. high calcium and low phosphorus A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	1000965		4.0	1.00

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		In the given formula, X represent $X = \frac{\text{CFU of probiotic after 24h in prebiotic carbohydrates}}{\text{CFU of probiotic after 24h in control carbohydrates}}$ 1. Prebiotic index 2. Prebiotic activity score 3. Probiotic index 4. Probiotic activity score A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
86	1000966	Which of the following statements are true pertaining to animal nutrition laboratory? (A). Always add acid to water while making the solutions. (B). Always add water to acid while making the solutions. (C). Indicator used in toluene distillation method is phenolphthalein. (D). Ethyl alcohol may be used as antifoaming agent if necessary, in CF estimation. Choose the **correct** answer from the options given below: 1. (A), (C), and (D). 2. (B), (C), (D). 3. (B), (D), 4. (D), (A). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
87	1000967	Denaturation of proteins in chicken occur in 1. Oesophagus & proventriculus 2. Proventriculus & Gizzard 3. Gizzard & crop 4. Pancrease & Intestine A1 : 1	4.0	1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

88 1000968 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Component	**Source**
(A).Coniine	(I). Ragwort
(B). Jacobine	(II). Nux vomica
(C). Atropine	(III). Hemlock
(D). Strychnine	(IV). Deadly nightshade

Choose the **correct** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

89 1000969 4.0 1.00

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Match **List-I** with **List-II**

List-I	**List-II**
Proiotics bacterial species	**Renamed genus**
(A).brevis	(I). Limosilactobacillus
(B). rhamnosus	(II). Ligilactobacillus
(C). fermentum	(III). Lacticaseibacillus
(D). salivarius	(IV). Levilactobacillus

Choose the **correct** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (I), (B) - (IV), (C) - (III), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90	1000970	The toxic effects of selenium can be reduced by supplementation of 1. Linseed oil meal 2. Soybean meal 3. Mustard cake 4. Groundnut cake A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

91	1000971		4.0	1.00

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		The following antinutritional factor is present in cherries and plum 1. Phorbol ester 2. Linamarin 3. Amygdalin 4. Dhurrin A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
92	1000972	Which of the following statement is not true? 1. Diets of high fibre content involve the excretion of faces of greater water content. 2. Metabolic water content comprises only 5-10 % of the total water intake of domestic animals. 3. Young animals have lower water needs per unit of body size than do mature animals. 4. Camels eats mostly carbohydrates during desert travel. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	1000973	Brix value for grade 1 molasses (minimum specified limit) should be 1. 90 2. 85 3. 80 4. 75 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	1000974		4.0	1.00

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Given below are two statements:

Statement (I): Fat-soluble vitamins pass through the intestinal mucosa mainly through simple diffusion mechanisms.

Statement (II): Water-soluble vitamins pass through the intestinal mucosa mainly through the passive diffusion mechanisms and carrier-mediated transport.

In light of the above statements,choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

95	1000975	In CNCPS system, the fraction B3 of proteins refers to 1. NPN 2. TP 3. IP - NDIP 4. NDIP - ADIP A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

96	1000976	Neutral detergent soluble (NDS) have an average true digestibility of about 1. 65 % 2. 78 % 3. 90 % 4. 98 % A1 : 1 A2 : 2 A3 : 3	4.0	1.00

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		A4 : 4		
Objective Question				
97	1000977	Nutritive ratio of maize grain is 10.7 and DCP content is 7 %. Calculate the TDN content in maize. 1. 65.42 % 2. 81.90 % 3. 74.90 % 4. 67.90 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
98	1000978	Which of the following statements are true? (A). Metabolizable energy is easier but costly to obtain than net energy value. (B). For combating cold, the efficiency of ME utilization is 100 percent. (C). The end products of rumen fermentation influence the value of ME. (D). The efficiency of ME utilization is independent with the purpose for which energy is used by the animals. (E). ME provides a more satisfactory measure of nutritive value than do TDN or DE. Choose the **correct** answer from the options given below: 1. (A), (B), and (E) only 2. (B), (C) and (E) only 3. (B), and (E) only 4. (A), (C), (D), and (E) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
99	1000979	The open-circuit type respiratory apparatus was devised by 1. Pettenkofer 2. Regnault and Pettenkofer 3. Reiset and Pettenkofer 4. Regnault and Reiset	4.0	1.00

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		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
100	1000980	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : The portal and systemic blood levels of butyrate in ruminants are extremely low. Reason (R) : This is because 80 – 90 % of the butyrate converted in to ketone bodies. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
101	1000981	Which of the following species is more susceptible to HCN poisoning? 1. Sheep 2. Cattle 3. Horses 4. Pigs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
102	1000982		4.0	1.00

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Which of the following is not a characteristic feature of the vertical type of mixer?

1. Inexpensive
2. Effective mixing of liquids
3. Require less floor
4. Require more time

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 1000983 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Poloxane	(I). Nathan Zuntz
(B). Portable respiration apparatus	(II). Underwood
(C). Hypomagnesemia	(III). Erle Bartley
(D). Trace element	(IV).Fontenot

Choose the **correct** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
2. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

104 1000984 4.0 1.00

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Given below are two statements:

Statement (I): Acid insoluble ash (% max) in Type I and Type II cattle feeds as per BIS specification should be 2.5 % and 3 % respectively.

Statement (II): RDP (% max) and UDP (% min) content in bypass protein feed of NDDB specification should be 20 % and 9 %, respectively.

In light of the above statements,choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

105 1000985 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Frizzled feathers	(I). Copper
(B). Lechsucht disease	(II). Chromium
(C). Garlic odour	(III). Zinc
(D). Glucose tolerance factor	(IV). Selenium

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
2. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

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Objective Question

106	1000986	Indian Grain Storage Management & Research institute is located at 1. New Delhi 2. Bareilly 3. Bathinda 4. Hapur A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

107	1000987	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : In case of fat, combustion involves both hydrogen and carbon. Reason (R) : This is because of much less oxygen present. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

108	1000988	High values of non-esterified fatty acids indicate……energy balance. 1. Positive 2. Negative 3. Neutral 4. No correlation A1 : 1 A2 : 2 A3 : 3	4.0	1.00

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		A4 : 4		
Objective Question				
109	1000989	Given below are two statements: Statement (I): Diet rich in high fibre and fat is recommended during summer and winter, respectively. Statement (II): NE for maintenance is lower for producing animal than non-producing animal. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
110	1000990	Which of the following in not an example of external marker? 1. Carmine red 2. Chromic oxide 3. Silica 4. Ytterbium A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
111	1000991	Miller's disease is caused by feeding high levels of 1. Wheat bran 2. Jatropha 3. Subabul 4. Mango seed kernel A1 : 1 A2 : 2	4.0	1.00

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		A3 : 3 A4 : 4		
Objective Question				
112	1000992	The greatest damage to the stored grains is caused by : 1. Male insects 2. Female insects 3. Larvae of insects 4. Pupae of the insects A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
113	1000993	Given below are two statements: Statement (I): The population of megasphaera elsdeni is generally higher in the less efficient animal microbiome. Statement (II): Increase in P:A ratio is associated with a decline in CH4 production and increased energy retention by cattle. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
114	1000994	Naturally occurring cyanogenetic glycosides present in white clovers is 1. Linamarin 2. Dhurrin 3. Lotaustralin 4. Vicianin	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
115	1000995	Given below are two statements: Statement (I): Rumen fungi are identified based on 16S rRNA. Statement (II): Probiotic causes an increase in proinflammatory cytokines. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
116	1000996	Efficiency of conversion of ME to NE of milk is 1. 50 % 2. 62 % 3. 75 % 4. 82 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
117	1000997		4.0	1.00

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Match **List-I** with **List-II**

List-I	**List-II**
(A). Beet leaves	(I). Photosensitization
(B). Salseed	(II). Oxalates
(C). Hypericin	(III). HCN
(D). Tapoica	(IV). Energy source

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 | 1000998 | 4.0 | 1.00

Amino acid which acts as neurotransmitter is

1. Tri-iodothyronine
2. Tetra iodothronine
3. α-amino butyric acid
4. Cystine

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 | 1000999 | 4.0 | 1.00

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		Direct synthesis of triacylglycerol occurs in the 1. Intestinal mucosa 2. Liver 3. Adipose tissue 4. Liver and adipose tissue A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
120	1001000	Given below are two statements: Statement (I): Vegetable fats are composed of saturated fatty acids. Statement (II): Palatability of solvent extracted rice bran is higher than that of rice. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00