

## University of Agriculture, Faisalabad Question Bank for Animal Sciences for Admission to MS/M.Phil/M.Sc.(Hons)/Ph.D Program

Al	NIMAL BREEDING AND	O GENET	TICS MCQ's	Answer Key	
1)	The place on chromosome where gene re			C	
	A. Linked genes	В.	Monohybrid		
	C. Locus	D.	Allele		
2)	A cross of an offspring back to its homoz	ygous recessive	parent is known as	D	
	A. Back Cross	В.	Test Cross		
	C. Monohybrid	D.	Two of these choices		
3)	Alternative form a gene is called:			A	
	A. Allele	В.	Recessive		
	C. Dominant	D.	None of these choices		
4)	Modification in classical Monohybrid rat	os results due to	o:	D	
	A. Incomplete dominance	В.	Co-dominance		
	C. Epistasis	D.	Two of these choices		
5)	Interphase is the period corresponding t	o the cell cycle p	hase of:	В	
	A. G1+S+G2+M	В.	G1+S+G2		
	C. Mitosis	D.	G1+S+G2+M+ Mitosis		
6)	The No. of chromosomes kept constant	rom parent cell	to daughter cell during:	В	
	A. Meiosis	В.	Mitosis		
	C. Both	D.	None		
7)	Exchange of segments between two homologous chromosomes is called:				
	A. Deletion	В.	Crossing over		
	C. Inversion	D.	Reciprocal translocation		
8)	Dominance is an example of:	l .	'	D	
	A. Non-allelic interaction	В.	Additive interaction		
	C. Epistasis	D.	Allelic interaction		
9)	If chi-square calculated is less than chi-so	uare tabulated.		A	
	A. Accepted	В.	Rejected		
	C. Decided on d.f	D.	Tested by t-test.		
10)	A term for genes on the differential segn	nents of the Y ch	,	A	
	A. Holandric	В.	sex linked		
	C. sex influenced	D.	incomplete sex linked		
11)	Non-Allelic interaction is termed as:	<u> </u>	meompiete sex mixed	С	
,	A. Dominance	В.	Recessiveness		
	C. Epistasis	D.	Additive interaction		
12)	Traits determined by genes on the same			D	
-,	A. linked genes	B.	linkage group		
	C. linkage	D.	all of the choices		
13)	A unit of map distance equivalent to 1 %		I.	C	
)	A unit of map distance equivalent to 1 %	CIOSSOVEI IS CALL	cu.		
	A. Micrometer	В.	Morgan		

	C. Centimorgan	D.	All	
14)	Genes which cause the death fetal death during preg	nan	cy or at birth:	D
	A. Sub-lethal genes	B.	Holandric genes	
	C. Detrimental genes	D.	Lethal genes	
15)	Most detrimental and lethal genes in farm animals ar	e:	-	В
	A. Dominant gene	B.	Recessive genes	
	C. Partially dominant genes	D.	Two of these choices	
16)	Formation of RNA from DNA is known as:			В
	A. Translation	B.	Transcription	
	C. Central dogma	D.	Transformation	
17)	An individual that has received genetic material by ge	ene	transfer is referred as	С
	A. Recombinant	B.	Clone	
	C. Transgenic	D.	None of these	
18)	A change in very small segment of DNA involving sing	le n	ucleotide is:	D
	A. Silent mutation	B.	Neutral Mutation	
	C. Nonsense mutation	D.	Point mutation	
19)	Milk production in sheep is inherited as:			D
	A. Dominant trait	В.	Sex Influenced trait	
	C. Sex Linked trait	D.	Sex limited trait	
20)	The force available to breeders to change gene frequ	enc	y in a population is:	В
	A. Breeding	В.	Selection	
	C. Mutation	D.	None of these	
21)	MOET is referred to:			С
	A. most embryo transferred	В.	mother of elite goat	
	C. multiple ovulation and embryo transfer	D.	none of these	
22)	BLUP is used for:			A
	A. estimating breeding values	В.	determining bovine leucosis	
	C. Belgian Blue upgrading	D.	embryo flushing	
23)	Progeny testing is conducted to select better males be	eca	use:	D
	A. males don't produce milk	B.	males are fewer	
	C. males are more than half of the herds	D.	all of the above	
24)	Narimaster was developed because:			A
	A. Australia donated droughtmaster heifers	В.	Bhagnari conservation was needed	
	C. Balochistan is deficient in milk production	D.	Red color was preferred at farmer level	
25)	Law requires semen from A2A2 bulls only because:			D
	A. A1A1 is rare	В.	A1A2 are hybrids	
	C. Crossbred cattle are already A2A2	D.	None of these	
26)	A process by which certain individuals in a population	are	preferred over others for the producing next	С
	generation, is called			
	A. Inbreeding	В.	Pedigree testing	
	C. Selection	D.	Progeny testing	
27)	The selection process usually preferred for traits having			C
	A. Family Selection	В.	Own Selection	
	C. Mass Selection	D.	Totally own selection	
28)	Study and control of various means of improving hum	_	1	D
	A. Genetics	В.	Heritability	
	C. Humanity	D.	Eugenics	

29)	Counseling about heritable disorders in society are ba	asic	applications of	С
	A. Breeding	В.	Animal Nutrition	-
	C. Genetics	D.	Animal Production	1
30)	The Cholistani breed of dairy cattle originated in,		74 million i roddellori	С
	,			
	A. Australia	В.	Cuba	
	C. Pakistan	D.	USA	
31)	Type of protein present in chromosomes			A
	A. histones	В.	carotene	
	C. both	D.	none	
32)	DNA is made up of			В
	A. Nucleoside	В.	Nucleotide	-
22)	C. Protein	D.	all	
33)	Nitrogenous base + sugar	_		A
	A. Nucleoside	В.	Nucleotide	
2.1	C. Protein	D.	none of above	-
34)	Pyramidine bases	_	T .	D
	A. Cytosine	В.	thymine	
25)	C. uracil	D.	all	D
35)	The process whereby RNA is synthesized from a DNA		i i	В
	A. translation	В.	transcription	
20)	C. replication	D.	all	Α
36)	The single stranded pieces of DNA produced by disco			A
	A. okazaki fragments	В.	beta helix	
37)	C. alpha helix	D.	all	В
31)	Regions within an eukaryotic primary transcript that	are B.	1	Ь
	A. exon	D.	intron	
38)	C. okazaki fragments		none of above	С
36)	Removal or reversal of damaged DNA by a light - dep  A. activation	B.		
		D.	reactivation all	
39)	C. photoreactivation  A genetic unit that code for the amino acid sequence			С
37)	· · · · · · · · · · · · · · · · · · ·	: 01	a complete polypeptide chair is most closely related	
	A. an anticodon	В.	a promoter	-
	C. a gene	D.	a codon	
40)	Given the antisens strand DNA codon 3' TAC 5', anti c			В
10)	could be	.ouo	in that pairs with the corresponding in title codon	
	A. 3' CAT 5'	В.	3' AUG 5'	
	C. 3' UAC 5'	D.	5' GUA 3'	1
41)	A mutation in the codon UCG to UAG is be described		10 00/10	D
	A. a missence mutation	В.	a neutral mutation	†
	C. a silent mutation	D.	a frameshift mutation	1
42)	Loss of some portion of DNA		1	D
′	A. transition mutation	В.	point mutation	†
	C. gross mutation	D.	deletion mutation	1
43)	The generalized flow of genetic information from DNA			A
′	A. central dogma of molecular biology	В.	translation	†
	C. transcription	D.	Replication	1
			1ba	

44)	Ribosome consist of different kind of protein			В
	A. 25	В.	50	
	C. 23	D.	42	
45)	Adjective describing a locus whose phenotypic manif	esta	ation is suppressed by the phenomenon	D
	A. epistasis	B.	dominance	
	C. codominance	D.	hypostatic	
46)	A trait selected with natural selection			В
	A. Production trait	B.	Fitness	
	C. Quantitative traits	D.	None of above	
47)	The mating in which purebreds of the same breed are	e m	ated is	В
	A. Inbreeding	B.	Straightbreeding	
	C. Linebreeding	D.	None of above	
48)	Hybrid vigor for the direct component of a trait			D
	A. Maternal hybrid vigor	B.	Paternal hybrid vigor	
	C. Both A & B	D.	None of A & B	
49)	The forces acting to cause one genotype to be more	fert	ile than another genotype	В
	A. Natural selection	B.	Fecundity selection	
	C. Mass selection	D.	None of above	
50)	An allele for which all members of the population un	der	study are homozygous, so that no other alleles for	В
	this locus exist in the population		, , , , ,	
	A. Homozygous Alleles	B.	Fixed allele	
	C. Both A & B	D.	None of A & B	
51)	A step curve in which the frequencies of various arbit	rari	y bounded classes are graphed	В
	A. Histogram	B.	Frequency histogram	
	C. Frequency distribution	D.	None of above	
52)	In the evolutionary sense, some heritable feature of	an i	ndividual's phenotype that improves its chances of	С
	survival and reproduction in the existing environment		. ,,	
	A. Fitness	B.	Fertility	
	C. Adaptation	D.	Adaptive peak	
53)	Genetic variance associated with the average effects	of		В
	A. Genetic variance	B.	Additive genetic variance	
	C. Genotypic variance	D.	All of above	
54)	A rotational cross breeding system in which sire bree	ds a	are not used simultaneously, but introduced in	В
	sequence		,,	
	A. Terminal sire	B.	Rotation in time	
	C. Both A & B	D.	None of A & B	
55)	A discredited model of inheritance suggesting that the	e cl		В
	blending of fluid like influences from its parents			
	A. Medallion inheritance	B.	Blending inheritance	
	C. Both A & B	D.	None of A & B	
56)	The proportion of total phenotypic variance at the po	pul		В
	A. Population heritability	В.	Broad sense heritability	
	C. Narrow sense heritability	D.	None of above	
57)	Segregating and heritable determinant of the phenot	gge		С
	A. Gene dose	В.	Gene family	
	C. Gene	D.	Allele	
58)	The presence of a plasmid in a bacterial culture is us	ual		В
	A. blue-white screening	B.	growth in the presence of an antibiotic	
	C. a restriction enzyme digest	D.	agarose gel electrophoresis	
	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ι		

59)	Transformation is			A
	A. the take-up of a plasmid into a bacterium	B.	the expression of a gene in a bacterium	
	C. the take-up of a bacteriophage into a bacterium	D.	the isolation of a plasmid from a bacterium	
60)	In agarose gel electrophoresis		and isolation of a placema norm a succession.	D
	A. DNA migrates towards the negative electrode	B.	supercoiled plasmids migrate slower than their	
	Briving ates towards the negative electrode		nicked counterparts	
	C. larger molecules migrate faster than smaller	D.	Ethidium bromide can be used to visualize the DNA	
	molecules		Ethidiani bronniae can be asea to visualize the blvA	
61)	The ABO blood groups of humans are determined by t	hro	a alleles. How many genotypes are possible for these	С
01)	phenotypes?	.111 C	e differences. Flow many genotypes are possible for these	C
	A. 3	В.	4	
	C. 6	D.	8	
62)	A mother of blood group O has a group O child. The fa	athe		Α
	A. A or B or O	В.	O only	
	C. A or B	D.	AB only	
63)	If an individual of genotype AaBbCcDd is testcrossed,	hov	,	D
/	progeny?	J V	Than, anterent phenotypes can appear in the	
	A. 4	В.	8	
	C. 12	D.	16	
64)	If individuals of genotype AaBbCc are intercrossed, how	, ma		С
	in marviadas of genotype Adbbee are intererossed, now	, ,,,,	any different prichatypes can appear in their onspring:	
	A. 3	B.	6	
	C. 8	D.	16	
65)	If individuals of genotype AaBbCc are intercrossed, how	, ma	any different genotypes can occur in their progeny?	D
	in marriadas of generape riabs of are meeter of osses, not		any american generypes can occur in their progeny.	
	A. 6	B.	8	
	C. 16	D.	None of the above	
66)	The principle of dominance states that			С
	A. all alleles are dominant	B.	all alleles are recessive	
	C. some alleles are dominant and cover or mask the	D.	alleles are neither dominant nor recessive	
	recessive alleles			
67)	DNA is copied during a process called			A
	A. replication	B.	translation	
	C. transcription	D.	transformation	
68)	The process of making changes in the DNA code of li	ving	g organisms is called	В
	A. selective breeding	B.	genetic engineering	
	C. inbreeding	D.	hybridization	
69)	Viruses have more difficulty entering plant cells than	anir		A
	A. plant cells have tough cell walls	B.	nitrogen fixation harms plant cells	
	C. animal cells have no cell membranes	D.	viroids only infect animals	
70)	Mutations which occur in body cells which do not go	_		В
	A. auxotrophic mutations	В.	somatic mutations	
	C. morphological mutations	D.	oncogenes	
71)	What would be the frequency of AABBCC individual	_	Ÿ	A
	A. 1/64	B.	1/32	
72	C. 1/16	D.	1/8	
72)	The stage of meiosis in which chromosomes pair and	_		A
	A. prophase I	В.	metaphase I	
70	C. prophase II	D.	metaphase II	
73)	Which component of transcribed RNA in eukaryotes i	s pr	esent in the initial transcript but is removed before	A
	translation occurs:			

	A.	Intron	В.	3' Poly A tail	
	C.	Ribosome binding site	D.	5' cap E. codons coding for the protein to be	
7.4				produced	
74)		Choose the correct statement about the genetic code	ь		D
	A.	includes 61 codons for amino acids and 3 stop codons	В.	almost universal; exactly the same in most genetic	
	$\overline{C}$	three bases per codon	D.	systems all of the above	
75)	Δ			in the repressor associated with the lac operon of	В
,3)		coli which prevents binding of the repressor to		÷	D
	<u> </u>		В.	lack of expression or reduced expression of the lac	
		constitution conficusion of the operon general		operon genes under all circumstances	
	C.	expression of the genes only when lactose is present	D.	expression of the genes only when lactose is absent	
76)	0	on average, how many fragments would a restriction	enz	yme which recognizes a specific 4 base sequence in	С
		NA be expected to cleave a double-stranded bacterio			
	A.	about 2	B.	about 4	
	C.	about 20	D.	about 50	
77)	Т	he "sticky ends" generated by restriction enzymes all	low		D
l	A.		В.	easy identification of plasmids which carry an insert	
		replication of transfer RNA within the bacterial	D	. pieces of DNA from different sources to hybridize	
	C.	cell	Ρ.	to each other and to be joined together	
78)	Q	TL analysis is used to:			D
	A.	identify RNA polymerase binding sites	B.	map genes in bacterial viruses	
	C.	determine which genes are expressed at a	D.	identify chromosome regions associated with a	
		developmental stage		complex trait in a genetic cross	
79)		Assuming Hardy-Weinberg equilibrium, the genotypic lleles at the gene being studied are 0.6 and 0.4, will be		equency of heterozygotes, if the frequency of the two	С
	A.	0.80	B.	0.64	
	C.	1 41.14	D.	0.32	
80)		The likelihood of an individual in a population carrying which has a frequency of 0.2, will be:	g tv	vo specific alleles of a human DNA marker, each of	D
	A.	0.4	B.	0.32	
	C.	0.16	D.	0.08	
81)	W	Which of the following is <u>NOT</u> involved in translation?			В
	A.	Amino acids	B.	DNA	
	C.	mRNA	D.	rRNA	
82)	-	yrimidines have a chemica			В
	A.	Straight Chair	В.	8	
00)	C.	8	D.	Three ringed	
83)		he mRNA that would be transcribed from the sequ	ieno	ce 3' GGC 5' in a sense	В
	S1	trand of DNA would be:			
	A.	5' UUG 3'	B.	5' CCG 3'	
	C.	5' CGG 3'	D.	5' GCC 3'	
84)		single strand of DNA has an A+T/C+G ratio of 1.67. T	he	ratio in the	D
	C	omplementary strand would be:			
	A.		B.	1.33	
	C.	1.45	D.	1.67	
85)	D	uring MITOSIS, synapsis occurs in the phase called:			D
	A.	Prophase	В.	Metaphase	
	C.	Anaphase	D.	None of the above	

86)	During which phase within a somatic cell cycle does DNA replication occur?			A	
,	A. Interphase	В.	Prophase		
	C. Metaphase	D.	Anaphase		
87)	Female gametogenesis differs greatly from male game	etog	*	A	
	arrested in at the time of bi	-	,		
	A.   Prophase I	B.	Metaphase I		
	C. Interphase I	D.	Prophase II		
88)	Which of the following chemical bonds would NOT be	fοι	und in DNA?	D	
	A. Covalent	B.	Glycosidic		
	C. Hydrogen	D.	Peptide		
89)	Breeding value is defined as			A	
	A. The value of an individual as a parent	В.	The value of a Progeny		
	C. The value of an individual as a parent and value of	D.	All		
	an offspring as a producer				
90)	The process that determines which individuals become	e th	ne parents for the first time is known as	В	
	A. Culling	В.	Replacement selection		
	C. Selection	D.	All		
91)	Selection on the basis of individual's phenotypic perfo	rm		D	
,	A. Artificial selection	В.	Natural selection		
	C. Replacement Selection	D.	Phenotypic selection		
92)	The heritability of fertility in mammals is quite		Thenotypic selection	В	
/ _/	A. High	В.	Low	-	
	C. Medium in range	D.	None of above		
93)	Measure of strength of relationship between true value	۱۵۲		A	
)3)	A. Accuracy of prediction	B.	EBV		
	C. Heritability	D.	Genetic prediction	_	
94)	A list of genetic predictions, accuracy values, and othe			С	
77)	A list of genetic predictions, accuracy values, and other	:i u	serui illorillation about sires ill a breed is called		
	A. Sire value	В.	Animal model		
	C. Sire summary	D.	All		
95)	A trait affected by many genes, no single gene have ar	2 01		В	
,,,	That directed by many genes, no single gene have a	100	ver riding influence is called		
	A. Qualitative trait	В.	Quantitative trait		
	C. Multigene trait	D.	Inherited trait		
96)	Fertility in mammals is a	1		В	
	A. Qualitative trait	В.	Quantitative trait	_	
	C. Multigene trait	D.	Inherited trait	$\dashv$	
97)	Simply inherited traits are those which are controlled		Innerited trait	A	
	A. Small number of genes	B.	High amount of genes	- '	
		D.	None	$\dashv$	
98)	C. Quantitative genes			С	
70)	Breeding values and their predictions, or even with co  A. Simply inherited traits	B.	·	+	
	Simply inferred traits	D.	Qualitative traits	_	
00)	- Cadiminative trans-		None	В	
99)	,				
	known as	D.		4	
	A. Line breeding	В.	Cross breeding	_	
100	C. Inbreeding	D.	Heterosis		
100)	An individual that is a combination of species, breeds	_		C	
	A. Inbred individual	В.	Linebred individual		

	C. Hybrid	D.	Heterosis	
101)	An increase in the performance of hybrids over that o	fρι		A
	A. Hybrid vigor	B.	Crossbreeding	
	C. Hybrid	D.	All	
102)	If heritability of a trait is high then the breeding value	for	the same trait will be	С
	A. High	B.	Same	
	C. Have no relation	D.	None	1
103)	Which of the following statement is true regarding he	rita		D
·	A. Heritability changes from population to	В.	Heritability is a population measure	_
	C. Heritability is less than repeatability for the same trait	D.	All	_
104)	Heritability can be increased by			D
	A. Uniformity of environment	B.	Accurate measurement of records	1
	C. Adjustment of records for known environmental effects	D.	All	
105)	The ratio of an individual's performance to the average	ge p	erformance of all animals in the individual's	A
	contemporary group is called as	·		
	A. Trait ratios	B.	Selection differential	
	C. Phenotypic performance	D.	None	1
106)	Rate of change in mean breeding value of a populatio	n ca	aused by selection is called	С
	A. Trait ratio	B.	Selection differential	1
	C. Rate of genetic change	D.	None	1
107)		a tra	ait under selection is called	С
	A. Rate of genetic change	B.	Genetic change	
	C. Genetic variation	D.	All	
108)	Genetic variation within a population increases by	1		В
	A. Inbreeding	B.	Out breeding	
	C. Random mating	D.	All	1
109)	A population exhibits			D
	A. growth	B.	differentiation	1
	C. maintenance	D.	all	1
110)	The proportion of a particular genotype in a population			A
	A. genotypic frequency	В.	phenotypic frequency	1
	C. gene frequency	D.	gene pool	1
111)	Proportion or percentage of a particular gene in total	ger	1 0 1	С
	A. genotypic frequency	В.	phenotypic frequency	1
	C. gene frequency	D.	gene pool	1
112)	The genotypic and gene frequency remain the same a	fte	10 1	D
	law presented by		5 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
	A. Mendel	В.	Lamarck	1
	C. Darwin	D.	Hardy-Weinberg	1
113)	Forces that change the genetic composition of popula	tio		D
	A. mutation	В.	migration	1
	C. selection	D.	all	1
114)	A population in which the frequency of a given allele			С
	be in state of	Ь	I	4
	A. equilibrium	В.	disequilibrium	

	C. genetic equilibrium	D.	fixed population	
115)	Phenotypic value is a combination of	•		D
	A. genotypic value	B.	genotype	
	C. environmental value	D.	a and c	
116)	In population genetics regression of subsequent perfo	orm		В
	A. heritability	В.		
	C. variance	D.	covariance	1
117)	The measure of the association between the same tra	it n		В
,	indicates the extent to which the traits will be inherite			
	A. phenotypic correlation	B.	genotypic correlation	1
	C. regression	D.	correlation	1
118)				A
110)	are referred to as	11 0	i the young during pregnancy of at the time of birth	71
	A. lethal	В.	sub lethal	1
		D.		<u> </u>
110)			Detrimental	
119)	More than two alternative genes that can occupy the	L		A
	A. multiple alleles	В.	multilateral alleles	
	C.   both	D.	none	
120)	and processing the processing of the processing	_		С
	A. epistasis	B.	dominance	
	C. linkage	D.	over dominance	
121)	The different traits determined by genes on the same	chr	romosome tend to be inherited as a single group	В
	A. linked genes	В.	linkage group	
	C. linkage	D.	all	
122)	The occurrence of one event in a given trial excluding	the	e possibility of the occurrence of another event is	A
	known as			
	A. mutually exclusive	B.	mutual occurrence	
	C. both	D.	none	=
123)	What is the probability that two pannies tossed into a	ir v	vill both come up head?	С
	A.   1/2	B.	1/3	_
	C. 1/4	D.	0	1
124)	Division of cytoplasm			В
-,	A. karyokinesis	В.	cytokinesis	1 -
	C. diakinesis	D.	none	1
125)	Pairing of homologous chromosomes	<u> </u>	Hone	A
. 23)		В.	kanyokinosis	- '`
	A. synapsis	D.	karyokinesis diakinesis	_
126)	C. cytokinesis	ν.	uiakiilesis	A
120)	Array of chromosomes in a given cell	Ь	Construe	- A
	A. Karyotype	В.	Genotype	_
107	C. Phenotype	D.	none	
127)	The process of the second seco	_	T	С
	A. spermatogenesis	B.	oogenesis	
	C. gametogenesis	D.	all	
	·		to generation	A
128)	The no. of chromosomes kept constant from generati	on	80	-1
128)	The no. of chromosomes kept constant from generati A. Meiosis	on i B.	mitosis	
128)	·	_	1	
128)	A. Meiosis	B. D.	mitosis	A

	A. Chiasma	В.	synapsis	
	C. Both	D.	none	
130)	Genes present on the X chromosome			A
	A. sex linked	В.	holandric	
	C. Autosomes	D.	none	
131)	The most extensively used breed for cross breeding is			С
	A. Nili-Ravi	B.	Kundi	
	C. Sahiwal	D.	Dajal	
132)	Progeny testing is the method of choice for selection of	of b	reeding	A
	A. males	B.	females	
	C. heifers	D.	calves	
133)	MOET is meant for multiplication of genetic material f	ron	n	В
	A. males	В.	females	
	C. heifers	D.	calves	
134)	Sires contribute the most of genes to the herd which a	are		A
	A. 70%	B.	80%	
	C. 90%	D.	95%	
135)	Gene that are alike in state are			С
	A. alike in chemical structure	В.	functioning the same	
	C. from common parentage	D.	two of these	
136)	Fitness traits relate to the animals ability			В
	A. to exercise	B.	to survive and reproduce	
	C. to high production	D.	to none of these	
137)	Most important factor for causing heritability to be lo	w is		С
	A. genetic control	B.	maternal effect	
	C. environmental influences	D.	paternal effect	
138)	The heritability of a trait can be improved by controlling	ng		A
	A. environment	B.	genetic control	
	C. maternal effect	D.	paternal effect	
139)	Reproductive traits are	I		С
	A. highly heritable	B.	not heritable	
	C. lowly heritable	D.	none of these	
140)	The longer dry periods and days open cause high prod	luci		В
	A. with minimum genetic contribution	B.	with low economic return	
	C. ith decreased productive live	D.	all of these	
141)	Most common reason for culling a cow in developing	cou		В
	A. production cessation	B.	reproductive failure	
	C. Disease	D.	meat production	
142)	Lactation exhibits the trend which is known as	-	I	С
	A. Polynomial	B.	linear	
	C. Curvilinear	D.	multiple response	
143)	Progeny test may be used in selection for	1	1 * *	В
•	A. Qualitative traits	В.	Quantitative traits	
	C. Both	D.	None	
144)	A system of selection for increasing the combining abi	ilitv		В
,	demonstrated from past crosses that they" nick" or co		•	
	, , , , , , , , , , , , , , , , , , , ,			

	A. Mass selection	В.	Reciprocal recurrent selection	
	C. Progeny testing	D.	None	
145)	Selection for a single trait at a time is			A
	A. Tandem selection	B.	Mass selection	
	C. Reciprocal recurrent selection	D.	All	
146)	Selection for two or more traits at a time but with a se	et m	ninimum level for each trait	C
	A. Tandem selection	В.	Mass selection	
	C. Independent culling	D.	Progeny selection	
147)	The selection method that involves the separate deter	miı	nation of the value for each trait and then addition of	D
	these values to give a total score for all of the traits.			
	A. Tandem selection	B.	Mass selection	
	C. Independent culling	D.	Selection index	
148)	A bull calf gained 4.0lb/day on a gain test as compare	to a	an average of 2.50lb/day for other bull calves on the	C
	same test. What would be its gain ratio?			
	A. 100	B.	150	
	C. 160	D.	195	
149)	The ability of a parent to stamp its characteristics on it	ts o	ffspring so that they resemble that parent, or each	C
	other more than usual			
	A. Hybrid vigor	B.	Nicking	
	C. Prepotency	D.	Heterosis	
150)	A system of mating where each male has equal opport	tun		В
	A. Tandem mating	B.	Random mating	
	C.   Selective mating	D.	Inbreeding	
151)	An individual with a white coat color and with pink eye	es.		Α
	A. True Albino	В.	Pseudo Albino	
	C. Both	D.	None	
152)	The production of a particular phenotype by environm	en	t that is also produced by heredity	В
	A. Phenotype	B.	Phenocopy	
	C. Penetrance	D.	All	
153)	Some individuals inherited a particular genotype do no	ot h	nave associated phenotype	Α
	A. Penetrance	B.	Dominance	
	C. Phenocopy	D.	All	
154)	G-			В
	A. Increasing generation interval	B.	Decreasing generation interval	
	C. Constant generation interval	D.	Eliminating generation interval	
155)	Selection differential is written as			Α
	A. S = Selected parent mean - Population mean	B.	S = Selected parent mean + Population mean	
	C. S = Population mean - Selected parent mean	D.	S = Population mean + Selected parent mean	
156)	The relative chromosomal location of a gene			A
	A. locus	B.	loci	
	C. DNA	D.	none	
157)	Nitrogenous base + sugar + phosphorus			В
	A. Nucleoside	B.	Nucleotide	
	C. Protein	D.	none of above	
158)	The stage of meiosis in which chromosomes pair and o	ros	ss over is:	A
	A. prophase I	B.	metaphase I	
	C. prophase II	D.	metaphase II	
159)	Mating of closely related individuals is called			A

	A. Inbreeding	B.	Crossbreeding		
	C. Linebreeding	D.	Outbreeding		
160)	Important tropical dairy breeds of Pakistan include:			A	
	A. Sahiwal & Cholistani	B.	Sahiwal & Dhanni		
	C. Dhanni & Bhagnari	D.	Kankraj & Dhanni		
161)	,			С	
	A. Low	В.	High		
	C. Medium	D.	A & B		
162)	Breeding value is defined as			A	
	A. The value of an individual as a parent	B.	The value of a Progeny		
	C. The value of an individual as a parent and value of	D.	All		
	an offspring as a producer				
163)		e th	ne parents for the first time is known as	В	
	A. Culling	B.	Replacement selection		
	C. Selection	D.	All		
64)	Accuracy of selection is dependent on			D	
	A. Heritability of a trait	B.	Genetic prediction technology	1	
	C. Number of records	D.	All		
165)	The rate of genetic change is dependent on			D	
	A. Accuracy of selection	B.	Generation interval		
	C. Intensity of selection	D.	All		
166)	Proportion or percentage of a particular gene in total gene pool				
	A. genotypic frequency	B.	phenotypic frequency		
	C. gene frequency	D.	gene pool		
167)	The genotypic and gene frequency remain the same a	fter	generation after generation of random mating is a	D	
	law presented by				
	A. Mendel	B.	Lamark		
	C. Darwin	D.	Hardy-weinberg		
168)	A mutation in the codon UCG to UAG is be described a	s		A	
	A. a missence mutation	В.	a neutral mutation		
	C. a silent mutation	D.	a frameshift mutation		
169)	A person with Kalinifelter syndrom is considered as			В	
	A. Monosomic	B.	Trisomic		
	C. Triploid	D.	Deletion		
170)	BLUP stands for			С	
	A. Bohemian likely unbiased probability	B.	Bohemian linear unbiased prediction		
	C. Best linear unbiased prediction	D.	Best likely unbiased probability		
171)	A trait affected by many genes, no single gene have ar	1 01	verriding influence is called	В	
	A. Qualitative trait	B.	Quantitative trait		
	C. Multigene trait	D.	Inherited trait		
172)	Breeding values and their predictions, or even with co	nce	epts like heritability are meant for	С	
	A. Simply inherited traits	B.	Qualitative traits		
	C. Quantitative traits	D.	None	1	
173)	The mating of sires of one breed or breed combination	n to		В	
	known as				
	A. Line breeding	В.	Cross breeding	1	
	C. Inbreeding	D.	Heterosis	1	
174)	Progeny testing is the method of choice for selection of	of b	reeding	A	

	A. males	В.	females	
	C. heifers	D.	Calves	
175)	A system of selection for increasing the combining ab	ility	of two or more lines or breeds that have already	В
	demonstrated from past crosses that they" nick" or c	oml	pine well.	
	A. Mass selection	В.	Reciprocal recurrent selection	
	C. Progeny testing	D.	None	
176)	The value of regression coefficient			D
	A. always ranges between 0 and 1	В.	may be less than zero or more than one	
	C. cannot be negative	D.	two of these choices	
177)	The measures of central tendency include			В
	A. Mean and median	B.	Mean, median and mode	
	C. Mean, median, mode and variance	D.	Mean and variance only	
178)	Replication is needed to get an estimate of the			D
	A. standard error	В.	variance	
	C. standard deviation	D.	experimental error	
179)	Normal Distribution is always a	•		A
	A. Bell shaped curve	B.	Positively skewed	7
	C. Negatively skewed	D.	Straight line	1
180)		its c	offspring so that they resemble that parent, or each	С
	other more than usual.			
	A. Hybrid vigor	В.	Nicking	1
	C. Prepotency	D.	Heterosis	
181)	The most famous cattle draught breed of Balochistan	is		D
	A. Sahiwal	В.	Kankraj	1
	C. Lohani	D.	Bhagnari	
182)	The heritability of milk yield is			С
	A. Low	В.	High	1
	C. Medium	D.	None of these	1
183)	What is the difference in the number of phenotypes	oroc	duced by a single gene locus with two alleles with	A
	dominance versus co-dominance?			
	A. 1	В.	2	1
	C. 3	D.	Many	1
184)	Which evolutionary process is entirely random?		•	D
	A. Gene flow	B.	Natural selection	1
	C. Speciation	D.	Mutation	7
185)	Heritability is defined as	•	·	С
	A. Additive genetic worth of an individual	B.	The parentage value	7
	C. A measure of strength of relationship b/w	D.	None of above	
	breeding value and phenotypic value for a trait in			
	a population			
186)	Which one of the followings is a highly heritable trait			С
	A. Fertility	В.	Milk production	
	C. Mature body weight	D.	None	
187)		atio	n are	D
	A. mutation	В.	migration	1
	C. selection	D.	All	1
188)	Movement of individuals between populations is called	ed		В
	A. displacement	В.	migration	1
	, , , , , , , , , , , , , , , , , , ,		· <del>-</del>	1

	C. mutation	D.	Habituation	
189)	More than two alternative genes that can occupy the		A	
	A. multiple alleles	B.	multilateral alleles	
	C. both	D.	none	
190)	The presence of two non-allelic genes affecting two tr	aits	in the same chromosome is	С
	A. Epistasis	B.	dominance	
	C. linkage	D.	over dominance	
191)	The genotype with two different alleles for a trait			В
	A. Homozygous	B.	Heterozygous	
	C. Hemizygous	D.	Autozygous	
192)	Division of nucleus			В
	A. Synapsis	B.	karyokinesis	
	C. cytokinesis	D.	diakinesis	
193)	One of the two identical halves of a replicated chromo	oso	me	В
	A. Centomere	B.	chromatid	
	C. chromosome	D.	all	
194)	Haploid cells specialized for reproduction			В
	A. Genes	В.	Gametes	
	C. both	D.	none	
195)	DNA is copied during a process called	1		A
	A   B   1: -1:	Ь	I	
	A. Replication	B. D.	translation	
106)	C. transcription	ρ.	transformation	A
196)	Beetal is a goat breed of Pakistan and its habitat is in	В.	Cindle	A
	A. Punjab C. Balochistan	D.	Sindh NWFP	_
197)			<u>l</u>	D
191)	A. with minimum genetic contribution	B.	with low economic return	- P
	C. with decreased productive life	D.	all of these	
198)	Lactation exhibits the trend which is known as	ν.	all of these	С
,		В.	linear	-
	A. polynomial C. curvilinear	D.	multiple response	
199)		Γ.	maniple response	С
-///	A. alike in chemical structure	В.	functioning the same	┧ ॅ
ļ	C. from common parentage	D.	two of these	-
200)				С
	A. High	В.	Same	
ļ	C. Have no relation	D.	None	1
201)		1		D
/	A. genotypic value	В.	genotype	1
ļ	C. environmental value	D.	a and c	1
202)				
/	A. phenotypic correlation	B.	genotypic correlation	A
ļ	C. regression	D.	correlation	1
202)	Total milk yield and total fat yield have a	1	00.10144011	A
203)				1
203)	A. positive correlation	B.	negative correlation	

204)	The value of a variance			D
,	A. always ranges between 0 and 1	B.	May be less than zero or more than 1	
	C. May be negative or positive	D.	Always positive but any value, may be more than 1	
205)	The number of treatments must be equal to the number	ber		С
	A. CRD	В.	RCBD	
	C. LSD	D.	None of these choices	
206)	DNA is located in			A
,	A. Nuclues	В.	Cytoplasm	
	C. Mitochondria	D.	None of these	
207)	Which of the following is <u>NOT</u> involved in translation?	,	There or thisse	В
	A. Amino acids	В.	DNA	
	C. mRNA	D.	rRNA	
208)	A single strand of DNA has an A+T/C+G ratio of 1.67. T	The		D
	77 Single Strains of Divivings and 17 Type of Table of 1.07.		Tatio in the complementary strana would be	
	A. 0.60	B.	1.33	
	C. 1.45	D.	1.67	
209)	A trait affected by many genes, no single gene have a	n ov		В
	A.   Qualitative trait	В.	Quantitative trait	
	C. Multigene trait	D.	Inherited trait	
210)	Survivability is a			В
	A.   Highly heritable trait	В.	Low heritable trait	
	C. Moderately Heritable trait	D.	None	
211)	Number of legs in a dog is a		The state of the s	D
,	A. Highly heritable trait	В.	Moderately heritable trait	
	C. Low heritable trait	D.	None	
212)	The rate of genetic change is dependent on		The state of the s	D
	A. Accuracy of selection	В.	Generation interval	
	C. Intensity of selection	D.	All	
213)	Milk yield and fat yield have a		7	В
- /	A. positive correlation	В.	negative correlation	
	C. no correlation	D.	none of these	
214)	The phenotypic ratio of monohybrid cross		none of these	A
	A. 3 ratio 1	В.	9 ratio 1	
	C. 2 ratio 1	D.	3 ratio	
215)	Chromosomes that do not differ between the sexes	<u> </u>	3 Tatle	A
	A. Autosomes	В.	sex chromosomes	
	C. both	D.	none	
216)	Pairing of homologous chromosomes		none	A
	A. synapsis	В.	karyokinesis	
	C. cytokinesis	D.	diakinesis	
217)	Nitrogenous base + sugar	۲.	- GIGNITICSIS	A
-1,)	A. Nucleoside	В.	Nucleotide	
	C. Protein	D.	none of the choices	
218)	Double helical structure of DNA	Γ.	none of the choices	A
	A. Watson and Crick	В.	Griffth	**
	C. Harshey	D.		
219)	No. of hydrogen bonds between A & T	Γ.	none	С
219)	A. 4	В.	3	C
	C. 2	D.	1	
L		۲.	1 =	

220)	Which of the following is not a characteristic of cellular RNA?				
	A. contain uracil	В.	is single stranded		
	C. is much shorter than DNA	D.	serves as template for its own synthesis		
221)	L		,	С	
	A. Micrometer	В.	Morgan		
	C. Centimorgan	D.	All		
222)	Change in the mean performance of a population over	r tir	me caused by change in environment is referred to as	С	
	A. GxE interaction	В.	Genetic trend		
	C. Environmental trend	D.	Regression		
223)	as replacements, but are slaughtered.	maı	rket standpoint. Terminally sired females are not kept	A	
	A. Terminal sire crossbreeding system	В.	Rotational crossbreeding system		
25.0	C. Complementarity	D.	None of above		
224)	A rotational cross breeding system in which sire breed sequence.	ds a		В	
	A. Terminal sire	В.	Rotation in time		
	C. Both A & B	D.	None of A & B		
225)	The DNA fingerprinting process involves			С	
	A. chain terminators	В.	degenerate oligonucleo-tides		
	C. VNTR loci	D.	RFLPs		
226)	The improvement method suggested for improvement breeding policy is	nt of	f Sahiwal cattle and Nili-Ravi buffalo in Pakistan's	D	
	A. through genetic selection	B.	development of gene pools		
	C. establishment of farmers' cooperatives	D.	all of these		
227)	RCBD is used when			С	
	A. experimental material is quite homogenous and has no known source of variation	В.	experimental material has one known source of variation		
	C. experimental material has two known source of variation	D.	none of these choices		
228)	Standard deviation of mean is			С	
	A. Square of variance	В.	variance/2	Č	
	C. Square root of variance	D.	Square of standard error of mean		
229)	The response to selection for more than one trait is e		•	В	
,	A. Vn	<del>циа</del> В.	1/Vn	2	
	C. n/vn	D.	√n/n		
230)	Full sibs have	Γ.	, v.y	С	
/	A. Common sire	В.	Common dam and grand dam	-	
	C. Common sire and dam	D.	Common sire and grandsire		
231)	The science of genetics was born in	Г.	Common sire and grandsire	A	
	A. 1900	В.	1905		
	C. 1910	D.	1912		
232)				A	
ĺ	A. Bateson	В.	Punnett		
		D.	De Vries		
	C. Morgan	٠.	חב אוובי		

A   1900	233)	Bateson coined the term genetics in			В
2349   Mendels results were independently rediscovered in 1500 by   A   De Vries   B   Correns			B.	1905	
A   De Vries   B   Correns   C   Tschermak   D   All of these		C. 1907	D.	1910	
C	234)	Mendels results were independently rediscovered	lin	1900 by	D
The preformation theory was proposed by   A   Bateson   B   Swammerdam & Bonnet   C   Weismann   D   Lamarck   B   A   Weismann   B   Wolff   C   Lamarck   B   Wolff   C   Lamarck   B   Wolff   C   Lamarck   B   Wolff   C   Lamarck   B   Lamarck   C   Weismann   B   Wolff   C   Lamarck   D   Darwin   C   Weismann   D   Darwin   C   Weismann   D   De Vries   D   Wolff   C   Weismann   D   De Vries   D   Wolff   C   Weismann   D   De Vries   D   Wolff   C   Lamarck   D   Lama		A. De Vries	B.	Correns	
A   Bateson   B   Swammerdam & Bonnet   C   Weismann   D   Lamarck   Darwin   C   Lamarck   Darwin		C. Tschermak	D.	All of these	
C.   Weismann   D.   Lamarck   B.   Wolff   C.   Lamarck   D.   Darwin	235)	The preformation theory was proposed by			В
230		A. Bateson	B.	Swammerdam & Bonnet	
Note		C. Weismann	D.	Lamarck	
C.   Lamarck   D.   Darwin   B   A   Wolff   B   Lamarck   C.   Weismann   D.   De Vries   B   A   Wolff   B   Lamarck   C.   Weismann   B   De Vries   B   A   Wolff   B   Lamarck   De Vries   B   A   Wolff   De Vries   B   A   Weismann   B   Darwin   De Vries   B   A   Weismann   B   Darwin   De Vries   B   A   Darwin   De Vries   B   De Vries   D	236)	The theory of epigenesis was proposed by			В
2377   The theory of acquired character was proposed by		A. Weismann	B.	Wolff	
A.   Wolff   B.   Lamarck   Lamarck   C.   Weismann   D.   De Vries		C. Lamarck	D.	Darwin	
C   Weismann   D   De Vries	237)				В
238)   Theory of Pangenes was advocated by   A.   Weismann   B.   Darwin   B.   Darwin   C.   Lamarck   D.   Wolff   Darwin   C.   Lamarck   D.   Wolff   Darwin   C.   Lamarck   D.   Sutton   Darwin   C.   Lamarck   D.   Sutton   Darwin   C.   Lamarck   D.   Sutton   Darwin   Dar		A. Wolff	B.	Lamarck	
A.   Weismann   B.   Darwin   C.   Lamarck   D.   Wolff		C. Weismann	D.	De Vries	
C.   Lamarck   D.   Wolff   The germplasm theory was proposed by   A.   Darwin   B.   Weismann   C.   Lamarck   D.   Sutton   C.   Lamarck   D.	238)	Theory of Pangenes was advocated by			В
239)   The germplasm theory was proposed by   A.   Darwin   B.   Weismann   C.   Lamarck   D.   Sutton		A. Weismann	B.	Darwin	
A. Darwin C. Lamarck D. Sutton  Weismann advocated germplasm theory in A. 1875 C. 1889 D. 1901  Which of the following theories is universally accepted? A. Preformation C. Epigenesis D. Germplasm  The term cytogenetics was coined by A. Bateson C. Morgan  Sutton coined the term cytogenetics in A. 1903 C. 1908  244) Term eugenics was first used by A. Fisher C. Sutton D. Bateson D. Sutton D. Bateson D. Bateson D. Datton  B. B. Soliton D. Colation  A. 1903 D. 1910  A. Fisher D. Sutton D. Bateson D. Soliton D. Bateson D. Soliton D. Bateson D. Soliton D. Solito		C. Lamarck	D.	Wolff	
C   Lamarck   D   Sutton	239)	The germplasm theory was proposed by			В
240   Weismann advocated germplasm theory in   A.   1875   B.   1879   D.   1901		A. Darwin	B.	Weismann	
A   1875   B   1879		C. Lamarck	D.	Sutton	
C   1889   D   1901	240)	Weismann advocated germplasm theory in			C
241)   Which of the following theories is universally accepted?   A.   Preformation   B.   Pangenes   C.   Epigenesis   D.   Germplasm		A. 1875	B.	1879	
A.   Preformation   B.   Pangenes   D.   Germplasm		C. 1889	D.	1901	
C.   Epigenesis   D.   Germplasm   B	241)	Which of the following theories is universally acce	pte	ed?	С
242)   The term cytogenetics was coined by   B   Sutton		A. Preformation	B.	Pangenes	
A   Bateson   B   Sutton		C. Epigenesis	D.	Germplasm	
C.   Morgan   D.   Chatton	242)	The term cytogenetics was coined by			В
243   Sutton coined the term cytogenetics in   A   1903   B.   1905		Bateson			
A. 1903 B. 1905 C. 1908 D. 1910  244) Term eugenics was first used by A. Fisher B. Galton C. Sutton D. Bateson  245) Galton coined the lerm eugenics in A. 1875 B. 1883 C. 1885 D. 1890  246) Term euphenics was first used by A. Galton B. Koltzov C. Johannsen D. Sutton  B. Moltzov B. Molt		C. Morgan	D.	Chatton	
C.   1908   D.   1910   B	243)	Sutton coined the term cytogenetics in			A
244)       Term eugenics was first used by       B. Galton         A. Fisher       B. Galton         C. Sutton       D. Bateson         245)       Galton coined the lerm eugenics in       B. 1883         A. 1875       B. 1883         C. 1885       D. 1890         246)       Term euphenics was first used by       B. Koltzov         A. Galton       B. Koltzov         C. Johannsen       D. Sutton         247)       Term gene was coined in 1909 by       B		A. 1903	B.	1905	
A.   Fisher   B.   Galton		1	D.	1910	
C.   Sutton   D.   Bateson   B	244)	Term eugenics was first used by			В
245   Galton coined the lerm eugenics in   B   A.   1875   B.   1883   B.   1885   D.   1890   B   B   B   B   B   B   B   B   B		A. Fisher	B.	Galton	
A. 1875 C. 1885 D. 1890  246) Term euphenics was first used by A. Galton C. Johannsen D. Sutton  B. Koltzov C. Johannsen D. Sutton  B. Koltzov B. B. Koltzov B. B		C. Sutton	D.	Bateson	
C. 1885  D. 1890  246) Term euphenics was first used by A. Galton C. Johannsen  D. Sutton  B  B  Cathorian  B  B  B  B  B  B  B  B  B  B  B  B  B	245)	Galton coined the lerm eugenics in			В
246)       Term euphenics was first used by <ul> <li>A. Galton</li> <li>B. Koltzov</li> </ul> C. Johannsen       D. Sutton         247)       Term gene was coined in 1909 by     B		20,0		1883	
A. Galton C. Johannsen D. Sutton  Term gene was coined in 1909 by  B. Koltzov D. Sutton B		C.   1885	D.	1890	
C. Johannsen D. Sutton  247) Term gene was coined in 1909 by  B	246)	Term euphenics was first used by			В
247) Term gene was coined in 1909 by B		A. Galton	В.	Koltzov	
Term gene was contea in 1909 by			D.	Sutton	
A. Morgan B. Johannsen	247)	Term gene was coined in 1909 by			В
		A. Morgan	B.	Johannsen	

	C. Muller	D.	Bridges				
248)	Term molecular biology was first used by						
	A. Watson	B.	Crick				
	C. Astbury	D.	Benzer				
249)	Terms cukaryoles and prokaryoles were coined by	/		В			
	A. Sutton	B.	Chalton				
	C. Bateson	D.	Morgan				
250)	Bateson and Punnett founded the journal of gene	tic	s in	В			
	A. 1895	В.	1901				
	C. 1905	D.	1910				



## University of Agriculture, Faisalabad Question Bank for Animal Sciences for Admission to MS/M.Phil/M.Sc.(Hons)/Ph.D Program

LIVESTOCK MANAGEN	MENT MC	Q's	Answer Key	
Temperature of cow suffering from mil	k fever is:		A	
A. 100°F	<b>B</b> . 1	104°F		
C. 107°F	D. <u>1</u>	110°F		
252) Sick animals are isolated to:	, ,		D	
A. Avoid fights	В.  -	Treat them well		
C. Keep clean	D. <b>J</b>	Prevent spread of disease		
253) Quarantine means	, ,		С	
A. Isolation	В. І	solation and keep under observation		
C. Isolated for 40 days		Treatment of animals		
254) The pulse rate in goat is taken from the a	arteries		A	
A. Jugular and maxillary	В. І	Maxillary & coccygeal		
C. Coccygeal & Jugular		Pulmonary & Jugular		
255) Abortion in Trichomoniasis occurs in	1 1		A	
A. Early pregnancy	В.	Middle pregnancy		
C. Late pregnancy		None of these		
256) Which one of the following is disinfectan				
A. Chlorine		Chloroform		
C. Pot. Nitrate	D. [	Boric acid		
257) Vermicide in the following is	Vermicide in the following is			
A. Sod. Sulphate	В. Г	Nilverm		
C. Ammonium Chloride	D. <b>J</b>	Phenol		
258) Foot and mouth in cattle is due to infect	on by		В	
A. Bacteria	В. \	Virus		
C. Parasite	D. I	Fungus		
259) Tympanitis is a condition associated with			A	
A. Gas in rumen	В. \	Viral infection		
C. Bacterial infection	D. <b>J</b>	More water intake		
260) Mark the estrus Cycle of a healthy cow:	1 1		A	
A. 21 days	В. [	18 Hours		
C. 281 days	D. 3	30 days		
What is the heat period in buffalo?		,	D	
A. 2 to 8 hours	В.	4 days		
C. 8 to 12 days		12 to 34 days		
(262) Central pair of incisors in cattle erupts at		•	В	
A. 3 years		2 years		
C. 6 months		5 years		
263) Fropical cattle maintain body temperatu		•	С	
A. Hairs		Tongue		
C. Dewlap	D			
<u> </u>	1 1			

264)	Extra feeding of pregnant cow should be done aft	er		A	
	A. 6 months		3 months		
	C. 1 month		20 days		
265)	Udder secretion immediately after calving is called		,	С	
	A. First milk	В.	Special milk		
	C. Colostrum	D.	Calf starter		
266)	After birth umbilical cord must be treated with	<u> </u>	1	D	
	A. Sodium carbonate	В.	Potassium Permanganate		
	C. Sulphur ointment	D.	Tincture iodine		
267)	Scrotal sac temperature of a bull compared to bo	ody tem	perature is	A	
	A. Less		Indefinite		
	C. More	D.	Equal		
268)	Dry matter required by cow of 400 kg body weigh			A	
	A. 10 kg	В.	20 kg		
	C. 2.5 kg	D.	0.5 kg		
269)	Pica is caused due to the deficiency of:			С	
	A. Vitamin B <sub>12</sub>		Protein		
L	C. Phosphorus	D.	Cystine		
270)	Specific gravity is generally more in the milk of			В	
	A. Cow	В.	Separated milk		
	C. Buffalo	D.	Camel		
271)	Metritis is a disease of:			В	
	A. Udder	В.	Reproductive organs		
	C. Heart	D.	None of these		
272)	A double row dairy shed (60 x 12 mt.) can house cows.				
	A. 100	В.	50		
	C. 200	D.	1000		
273)	Best method of milking is:			С	
	A. Suckling	В.	Knuckling		
	C. Full hand milking	D.	Stripping		
274)	The principal function of 'Vitamin D is to			A	
	A. Maintain bone growth	В.	Form Rhodopsin		
	C. Keep muscles strong	D.	Cause urination		
275)	A constituent found in milk but not in blood is			D	
	A. Globulin	В.	Glucose		
	C. Minerals	D.	Casein		
276)	Name the disease where carcass must be pitted w			A	
	A. Anthrax		Black quarter		
	C. Tuberculosis	D.	Malaria		
277)	A teaser bull is maintained to:			В	
	A. Keep herd moving	В.	Detect heat		
	C. Protect weak animals	D.	Inseminate cow		
278)	Doe is the adult female of			D	
	A. Dog		Duck		
	C. Sheep	D.	Goat		
279)	Average pulse rate of adult sheep is			A	
	A. 80 per minute		100 per minute		
	C. 120 per minute	D.	25 per minute		

280)	Desirable body weight of a heifer at first material	ing should be	В
	A. 180 kg	B. 250 kg	
	C. 400 kg	D. 80 kg	
281)	Total solid percentage of cow milk is approxi		A
	A. 13	B. 25	
	C. 0.5	D. 5.0	
282)	Total solid percentage of buffalo milk is appr	oximately	D
	A. 13	B. 25	
	C. 0.5	D. 17	
283)	DCP for maintenance of a cow/1000 kg body	weight should be	A
	A. 0.70 kg	B. 0.24 kg	
	C. 1.25 kg	D. 2.00 kg	
284)	ncrease in live weight of pregnant zebu cow		В
	A. 10-15 kg	B. 20-30 kg	
	C. 40-50 kg	D. 50-60 kg	
285)	Mark the time of insemination of a cow in he		С
	A. At the onset of heat	B. Mid of estrus	
	C. Between mid to late of heat	D. Between late to end of heat	
286)	Mark the normal respiration rate per minute		A
	A. 12-20	B. 8-12	
	C. 6-12	D. 8-10	
287)	Vitamin B <sub>12</sub> is also called	1 1 2	D
	A. Thiamin	B. Riboflavin	
	C. Cobalamin	D. Cynocobalamin	
288)	Tocoferol is also called	1 1 /	D
	A. Vitamin B	B. Vitamin C	
	C. Vitamin D	D. Vitamin E	
289)	n case of retention of placenta cow may be	given	В
	A. Pot permanganate	B. Lugol solution	
	C. Dextrose solution	D. Replenta	
290)	After manual removal of placenta the douch	•	D
	A. Salt solution	B. Sodium Choloride solution	
	C. Sodium carbonate	D. Lugol solution	
291)	A constituent found in milk and blood both i	1 1 5	A
	A. Globolin	B. Casein	
	C. Albumen	D. Minerals	
292)	Mark the per lactation milk yield of Sahiwal		С
	A. 1100 kg	B. 1400 kg	
	C. 1800 kg	D. 2000 kg	
293)	Mark the lyre-horned grey cattle with wide f	•	A
	A. Kankrej	B. Haryana	
	C. Rojhan	D. Dajal	
294)	Which of these is a dual purpose breed?	1 1 /	В
	A. Red Sindhi	B. Tharparker	
	C. Bagh Nari	D. Dhanni	
295)	Mark the optimum calving interval for the hi		С
ĺ	A. 250 days	B. 310 days	
	C. 395 days	D. 450 days	
L	1 1 /-	1 1	

296)	296) A successful pure-breeder is one who knows how to					
	A. Milk cattle	В.	Cull			
	C. Feed cattle	D.	write and read good articles			
297)	A buffalo bred on February 26, will calve on			В		
	A. November 15	В.	December, 23			
	C. October 11	D.	September 20			
298)	The greatest criticism of milking machine is that it is			D		
	A. Noisy	В.	Complicated			
	C. Efficient	D.	Sometimes means of spreading udder troubles			
299)	Most dairy calves are raised			A		
	A. On milk feeding by hand	В.	Dam suckling			
	C. On another cow	D.	On butter milk			
300)	The term dual purpose describes cattle that are			В		
	A. Of two colours	В.	Bred for milk and draught			
	C. Yield high milk with high fat	D.	Breed for fat and milk			
301)	Gestation period in case of buffalo is of			С		
	A. 282 days	B.	151 days			
	C. 307 days	D.	335 days			
302)	Addition of water in milk will:			C		
	A. Increase specific gravity	В.	Increase total solids			
	C. Decrease specific gravity	D.	No change in specific gravity			
303)	Specific gravity of separated milk is			С		
	A. 1.025	В.	1.032			
	C. 1.030	D.	1.028			
304)	f correct lactometer reading (C.L.R.) of milk is 25, the specific gravity will be:					
	A. 1.025	В.	1.032			
	C. 1.030	D.	1.036			
305)	The reading on lactometer ranges from			В		
	A. 0-20	В.	0-40			
	C. 10-20	D.	0-50			
306)	Fat in milk exists in the form of			A		
	A. Emulsion	B.	Colloidal			
	C. Solution	D.	Partly in solution			
307)	The average size of fat globules in cow milk is			A		
	A. 3-4 micron	В.	8-10 micron			
	C. 5-6 micron	D.	10-20 micron			
308)	Present population of goats in Pakistan is			A		
	A. 56.7 million	В.	4.9 million			
	C. 106 million	D.	10.6 million.			
309)	The presence of ketone bodied in the urine is the indic	atio	n of	С		
	A. Milk fever	B.	High blood pressure			
	C. Acetonaemia	D.	Bloat			
310)	Flushing can increase the lamb crop by			D		
	A. 50%	B.	30%			
	C. 2%	D.	10-20%			
311)	Which one is the fat tail breed of sheep?			C		
	A. Lohi	B.	Sipli			
1	C. Salt Range	D.	Kajli			

312)	Which one is the Kharif fodder?			D
	A. Barseem	В.	Barley	
	C. Oats	D.	•	
313)	The most killer disease of sheep and goat is			D
	A. H.S	В.	Rinderpest	
	C. Foot & Mouth	D.	Enterotoxemia	
314)	Vaccination in livestock is mostly done by			D
	A. Orally	В.	Intrauterine injection	
	C. Intramuscular injection	D.	Subcutaneous injection	
315)	The total solids %age in goat colostrum is			D
	A. 10%	В.	15%	
	C. 40%	D.	20%	
316)	Marbling in meat is due to deposition of			C
	A. Subcutaneous fat	В	Intramuscular fat	
	C. Intramuscular fat	D	None of these	
317)	What is the heat period in buffalo?	1		D
	A. 2 to 8 hours		4 days	
	C. 8 to 12 days		12 to 34 days	
318)	Tropical cattle maintain body temperature through			C
	A. Hairs	В.	Tongue	
	C. Dewlap	D.		
319)	The pulse rate in goat is taken from the arteries	•		A
	A. Jugular and maxillary	В.	Maxillary & coccygeal	
	C. Coccygeal & Jugular	D.	Pulmonary & Jugular	
320)	Abortion in Trichomoniasis occurs in			A
	A. Early pregnancy	В.	Middle pregnancy	
	C. Late pregnancy	D.	None of these	
321)	Chevon is the meat of	•		D
	A. Cattle	B.	Deer	
	C. Camel	D.	Goat	
322)	Vermicide in the following is			В
	A. Sod. Sulphate	В.	Nilverm	
	C. Ammonium Chloride	D.	Phenol	
323)	Foot and mouth in cattle is due to infection by			В
	A. Bacteria	В.	Virus	
	C. Parasite		Fungus	
324)	Mohair is the fleece of	•		D
	A. Beetal goat	B.	Camel	
	C. Sheep	D	Angora goat	
325)	Mark the estrus Cycle of a healthy cow:	1	· -	A
	A. 21 days	В.	18 Hours	
	C. 281 days	D.	30 days	
326)	Which one of the following is disinfectant?			A
	A. Chlorine	В.	Chloroform	
	C. Pot. Nitrate		Boric acid	
327)	Central pair of incisors in cattle erupts at:			В
	A. 3 years	В.	2 years	
	C. 6 months		5 years	
	<u> </u>		1 .	1

328)	Tympanitis is a condition associated with:			A
	A. Gas in rumen	В.	Viral infection	
	C. Bacterial infection		More water intake	
329)	Extra feeding of pregnant cow should be done after		1	A
	A. 6 months		3 months	
	C. 1 month	D.	20 days	
330)	Udder secretion immediately after calving is called		,	С
	A. First milk		Special milk	
	C. Colostrum		Calf starter	
331)	After birth umbilical cord must be treated with		1	D
	A. Sodium carbonate	В.	Potassium Permanganate	
	C. Sulphur ointment		Tincture iodine	
332)	Scrotal sac temperature of a bull compared to bo	odv temi	perature is	A
	A. Less		Indefinite	
	C. More	D.		
333)	Dry matter required by cow of 400 kg body weigh	t should	<u> </u>	A
	A. 10 kg		20 kg	
	C. 2.5 kg		0.5 kg	
334)	Pica is caused due to the deficiency of:			С
ĺ	A. Vitamin B <sub>12</sub>	В.	Protein	
	C. Phosphorus		Cystine	
335)	Specific gravity is generally more in the milk of	В		
	A. Cow	В.	Separated milk	
	C. Buffalo		Camel	
336)	Metritis is a disease of:		1.5	В
	A. Udder	В.	Reproductive organs	
	C. Heart	D.	None of these	
337)	A double row dairy shed (60 x 12 mt.) can house of	cows.		A
	A. 100		50	
	C. 200		1000	
338)	Best method of milking is:	<u> </u>		С
	A. Suckling	В.	Knuckling	
	C. Full hand milking		Stripping	
339)	The principal function of 'Vitamin D is to		1 1 0	A
	A. Maintain bone growth	В.	Form Rhodopsin	
	C. Keep muscles strong	D.	Cause urination	
340)	A constituent found in milk but not in blood is	1	1	D
	A. Globulin	В.	Glucose	
	C. Minerals	D.		
341)	Name the disease where carcass must be pitted w		1	A
	A. Anthrax		Black quarter	
	C. Tuberculosis	D.		
342)	A teaser bull is maintained to:		1	В
	A. Keep herd moving	В.	Detect heat	
	C. Protect weak animals	D.	Inseminate cow	
343)	Doe is the adult female of			D
	A. Dog	B.	Duck	_
	C. Sheep		Goat	
	- ·   - · ·   - · · ·	P.		1

344)	Average pulse rate of adult sheep is				
	A. 80 per minute	В.	100 per minute		
	C. 120 per minute	D.	25 per minute		
345)	Desirable body weight of a heifer at first mating shoul	d be		В	
	A. 180 kg	В.	250 kg		
	C. 400 kg	D.	80 kg		
346)	Total solid percentage of cow milk is approximately			A	
	A. 13	В.	25		
	C. 0.5	D.	5.0		
347)	Which one is the Kharif fodder?			D	
	A. Barseem	В.	Barley		
	C. Oats	D.	Sorghum		
348)	DCP for maintenance of a cow/1000 kg body weight s	houl	d be	A	
	A. 0.70 kg	В.	0.24 kg		
	C. 1.25 kg	D.	2.00 kg		
349)	ncrease in live weight of pregnant zebu cow during la	st 60	days of gestation period is	В	
	A. 10-15 kg	В.	20-30 kg		
	C. 40-50 kg	D.	50-60 kg		
350)	Mark the time of insemination of a cow in heat			С	
	A. At the onset of heat	В.	Mid of estrus		
	C. Between mid to late of heat	D.	Between late to end of heat		
351)	Mark the normal respiration rate per minute of health	ite of health buffalo			
	A. 12-20	В.	8-12		
	C. 6-12	D.	8-10		
352)	Vaccination in livestock is mostly done by			D	
	A. Orally	В.	Intrauterine injection		
	C. Intramuscular injection	D.	Subcutaneous injection		
353)	Tocoferol is also called			D	
	A. Vitamin B	В.	Vitamin C		
	C. Vitamin D	D.	Vitamin E		
354)	n case of retention of placenta cow may be given			В	
	A. Pot permanganate	В.	Lugol solution		
	C. Dextrose solution	D.	Replenta		
355)	The total solids %age in goat colostrum is			D	
	A. 10%	В.	15%		
	C. 40%	D.	20%		
356)	A constituent found in milk and blood both is			A	
	A. Globolin	В.	Casein		
	C. Albumen	D.	Minerals		
357)	Mark the per lactation milk yield of Sahiwal cow			С	
	A. 1100 kg		1400 kg		
	C. 1800 kg	D.	2000 kg		
358)	Mark the lyre-horned grey cattle with wide forehead f	lat c	r dished in profile	A	
	A. Kankrej	В.	Haryana		
L	C. Rojhan	D.	Dajal		
359)	Which of these is a dual purpose breed?			В	
	A. Red Sindhi	В.	Tharparker		
	C. Bagh Nari	D.	Dhanni		

360)	Mark the optimum calving interval for the high level of breeding efficiency in cow				
	A. 250 days	В.	310 days		
	C. 395 days	D.	450 days		
361)	A successful pure-breeder is one who knows how to			В	
	A. Milk cattle	В.	Cull		
	C. Feed cattle	D.	write and read good articles		
362)	A buffalo bred on February 26, will calve on			В	
	A. November 15	В.	December, 23		
	C. October 11	D.	September 20		
363)	Flushing can increase the lamb crop by			D	
	A. 50%	В.	30%		
	C. 2%	D.	10-20%		
364)	Most dairy calves are raised			A	
	A. On milk feeding by hand	В.	Dam suckling		
	C. On another cow	D.	On butter milk		
365)	The term dual purpose describes cattle that are	•		В	
	A. Of two colours	В.	Bred for milk and draught		
	C. Yield high milk with high fat	D.	Breed for fat and milk		
366)	Gestation period in case of buffalo is of			С	
	A. 282 days	B.	151 days		
	C. 307 days	D.	335 days		
367)	Addition of water in milk will:	- 1		С	
	A. Increase specific gravity	В.	Increase total solids		
	C. Decrease specific gravity	D.	No change in specific gravity		
368)	Specific gravity of separated milk is			С	
	A. 1.025	B.	1.032		
	C. 1.030	D.	1.028		
369)	f correct lactometer reading (C.L.R.) of milk is 25, the s	pec	ific gravity will be:	A	
	A. 1.025	В.	1.032		
	C. 1.030	D.	1.036		
370)	The reading on lactometer ranges from			В	
	A. 0-20	B.	0-40		
	C. 10-20	D.	0-50		
371)	Fat in milk exists in the form of			A	
	A. Emulsion	B.	Colloidal		
	C. Solution	D.	Partly in solution		
372)	The average size of fat globules in cow milk is			A	
	A. 3-4 micron	B.	8-10 micron		
	C. 5-6 micron	D.	10-20 micron		
373)	Present population of goats in Pakistan is	-		A	
	A. 56.7 million	В.	4.9 million		
	C. 106 million	D.	10.6 million.		
374)	The presence of ketone bodied in the urine is the indic	atio	n of	С	
	A. Milk fever	В.	High blood pressure		
	C. Acetonaemia	D.	Bloat		
375)	The greatest criticism of milking machine is that it is	-		D	
	A. Noisy	В.	Complicated		
	C. Efficient	_	Sometimes means of spreading udder troubles		
		-1	, , ,		

376)	Which one is the fat tail breed of sheep?		С
	A. Lohi	B. Sipli	
	C. Salt Range	D. Kajli	
377)	Total solid percentage of buffalo milk is approxin		D
	A. 13	В. 25	
	C. 0.5	D. 17	
378)	The most killer disease of sheep and goat is		D
	A. H.S	B. Rinderpest	
	C. Foot & Mouth	D. Enterotoxemia	
379)	Vitamin B <sub>12</sub> is also called		D
	A. Thiamin	B. Riboflavin	
	C. Cobalamin	D. Cynocobalamin	
380)	After manual removal of placenta the douching s	nould be done with	D
	A. Salt solution	B. Sodium Choloride solution	
	C. Sodium carbonate	D. Lugol solution	
381)	The important beef breed is	, , ,	В
	A. Niliravi	B. Narimaster	
	C. Sahiwal	D. Cholistani	
382)	A beef animal needs covered area	1 1	В
	A. 140 sq feet	B. 50 sq f	
	C. 200 sq f	D. 120 sq f	
383)	Beef animals are kept for	· ·	A
	A. Meat	B. None of these	
	C. Milk	D. Skin	
384)	Sheep meat is called		D
	A. Beef	B. None of these	
	C. Edible organ	D. Mutton	
385)	To improve fertility in goat, following is importar	;	В
	A. Grooming	B. Flushing	
	C. Cleaning	D. Feeding	
386)	A male adult of sheep is called		C
	A. Bull	B. Ewe	
	C. Ram	D. Buck	
387)	Vermicide in the following is		В
	A. Sod. Sulphate	B. Nilverm	
	C. Ammonium Chloride	D. Phenol	
388)	Foot and mouth in cattle is due to infection by	• •	В
	A. Bacteria	B. Virus	
	C. Parasite	D. Fungus	
389)	Tympanitis is a condition associated with:	, , -	A
	A. Gas in rumen	B. Viral infection	
	C. Bacterial infection	D. More water intake	
390)	Mark the estrus Cycle of a healthy cow:	• •	A
	A. 21 days	B. 18 Hours	
	C. 281 days	D. 30 days	
391)	What is the heat period in buffalo?	1 1	D
	A. 2 to 8 hours	B. 4 days	
	C. 8 to 12 days	D. 12 to 34 days	
	1 1 22 22 12		

A   3 years   B   2 years   C   6 months   D   5 years	392)	Central pair of incisors in cattle erupts at:			В
Second		A. 3 years	В.	2 years	
A   Hairs   B   Tongue   C   Dewilap   D   Tail		C. 6 months	D.	5 years	
C   Dewlap   D   Tail	393)	Tropical cattle maintain body temperature through	1		С
Systa   Feeding of pregnant cow should be done after   A   6 months   B   3 months   D   20 days		A. Hairs	В.	Tongue	
A   6 months		C. Dewlap	D.	Tail	
C.   month   D.   20 days   C.	394)		r		A
A First milk   B   Special milk   C   Colostrum   D   Calf starter		A. 6 months	В.	3 months	
A.   First milk   B.   Special milk   C.   Colostrum   D.   Calif starter		C. 1 month	D.	20 days	
C.   Colostrum   D.   Calif starter	395)	Udder secretion immediately after calving is called			С
Second   S		A. First milk	В.	Special milk	
A.		C. Colostrum	D.	Calf starter	
C.   Sulphur ointment   D.   Tincture iodine	396)	After birth umbilical cord must be treated with			D
Scription   Scri		A. Sodium carbonate	В.	Potassium Permanganate	
A.   Less		C. Sulphur ointment	D.	Tincture iodine	
C.   More   D.   Equal	397)	Scrotal sac temperature of a bull compared to boo	dy temp	perature is	A
398			В.	Indefinite	
A   10 kg		C. More	D.	Equal	
C   2.5 kg   D   0.5 kg   C   0.5 kg   0.5 kg   C   0.5 kg   0.5 kg   C   0.5 kg   0.5 kg   C   0.5 kg   0.5 kg   C   0.5 kg   0.5 kg   C   0.5 kg   0.5 kg	398)	Dry matter required by cow of 400 kg body weight	should	be (per day)	A
Size		A. 10 kg	В.	20 kg	
A. Vitamin B12   C. Phosphorus   D. Posphorus   D		C. 2.5 kg	D.	0.5 kg	
C.   Phosphorus   D.   Cystine	399)	Pica is caused due to the deficiency of:			С
A		A. Vitamin B <sub>12</sub>	В.	Protein	
A.   Cow   B.   Separated milk   C.   Buffalo   D.   Camel   C.   Buffalo   D.   Camel   C.   Buffalo   D.   Camel   C.   Heart   D.   None of these   C.   Heart   D.   None of these   C.   Heart   D.   None of these   C.   200   D.   1000   D.   1000   C.   200   D.   1000   D.   1000   C.   200   D.   200   200   D.   200		C. Phosphorus	D.	Cystine	
C.   Buffalo   D.   Camel	400)	Specific gravity is generally more in the milk of			В
Au		A. Cow	В.	Separated milk	
A.   Udder   B.   Reproductive organs   C.   Heart   D.   None of these		C. Buffalo	D.	Camel	
C. Heart D. None of these  402) A double row dairy shed (60 x 12 mt.) can house cows.  A. 100 B. 50 C. 200 D. 1000  403) Best method of milking is: A. Suckling B. Knuckling C. Full hand milking D. Stripping  404) The principal function of 'Vitamin D is to A. Maintain bone growth B. Form Rhodopsin C. Keep muscles strong D. Cause urination  405) A constituent found in milk but not in blood is A. Globulin B. Glucose C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat	401)	Metritis is a disease of:			В
A double row dairy shed (60 x 12 mt.) can house cows.   A. 100   B. 50			В.	Reproductive organs	
A.   100   B.   50   1000		C. Heart	D.	None of these	
C.   200   D.   1000	402)	A double row dairy shed (60 x 12 mt.) can house co	ows.		A
403) Best method of milking is:  A. Suckling C. Full hand milking D. Stripping  404) The principal function of 'Vitamin D is to A. Maintain bone growth C. Keep muscles strong D. Cause urination  405) A constituent found in milk but not in blood is A. Globulin B. Glucose C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat		A. 100	В.	50	
A. Suckling C. Full hand milking D. Stripping  404) The principal function of 'Vitamin D is to A. Maintain bone growth C. Keep muscles strong D. Cause urination  405) A. Globulin C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Knuckling D. Stripping  A. Knuckling B. Form Rhodopsin C. Cause urination  A. B. Glucose D. Casein  A. Black quarter D. Malaria  B. Black quarter D. Malaria		C. 200	D.	1000	
C. Full hand milking  404) The principal function of 'Vitamin D is to  A. Maintain bone growth C. Keep muscles strong  405) A constituent found in milk but not in blood is A. Globulin C. Minerals  406) Name the disease where carcass must be pitted with lime A. Anthrax C. Tuberculosis  407) A teaser bull is maintained to:  A. Keep herd moving  D. Stripping  A. Form Rhodopsin  C. Cause urination  B. Glucose C. Casein  A. Globulin B. Glucose Casein  A. Malaria  A. Anthrax B. Black quarter D. Malaria  B. Detect heat	403)	Best method of milking is:			С
Authors   Auth		A. Suckling	В.	Knuckling	
A. Maintain bone growth C. Keep muscles strong D. Cause urination  405) A constituent found in milk but not in blood is A. Globulin C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat		C. Full hand milking	D.	Stripping	
C. Keep muscles strong  D. Cause urination  405) A constituent found in milk but not in blood is  A. Globulin B. Glucose C. Minerals  D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis  D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving  B. Detect heat	404)	The principal function of 'Vitamin D is to			A
405) A constituent found in milk but not in blood is  A. Globulin B. Glucose C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat		A. Maintain bone growth	В.	Form Rhodopsin	
A. Globulin B. Glucose C. Minerals D. Casein  406) Name the disease where carcass must be pitted with lime A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat		C. Keep muscles strong	D.	Cause urination	
C. Minerals         D. Casein           406) Name the disease where carcass must be pitted with lime         A. Anthrax           A. Independent of the pitted with lime         B. Black quarter           C. Tuberculosis         D. Malaria           407) A teaser bull is maintained to:         B. Detect heat	405)	A constituent found in milk but not in blood is			D
406) Name the disease where carcass must be pitted with lime  A. Anthrax  C. Tuberculosis  D. Malaria  407) A teaser bull is maintained to:  A. Keep herd moving  B. Detect heat			В.		
A. Anthrax B. Black quarter C. Tuberculosis D. Malaria  407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat		C. Minerals	D.	Casein	
C. Tuberculosis  D. Malaria  407) A teaser bull is maintained to:  A. Keep herd moving  B. Detect heat	406)	Name the disease where carcass must be pitted wi	ith lime		A
407) A teaser bull is maintained to: A. Keep herd moving B. Detect heat				Black quarter	
A. Keep herd moving B. Detect heat		C. Tuberculosis	D.	Malaria	
	407)	A teaser bull is maintained to:	•		В
		A. Keep herd moving	В.	Detect heat	
			D.	Inseminate cow	

408)	408) Doe is the adult female of				
	A. Dog	В.	Duck		
	C. Sheep	D.	Goat		
409)	Average pulse rate of adult sheep is			A	
	A. 80 per minute	В.	100 per minute		
	C. 120 per minute	D.	25 per minute		
410)	The replacement of milk teeth in small ruminants com	mei	nces at the age of	A	
	A. 12 to 14 months.	В.	30-35 months		
	C. 20-24 months	D.	18-30 months		
411)	Total solid percentage of cow milk is approximately			A	
	A. 13	В.	25		
	C. 0.5	D.	5.0		
412)	Total solid percentage of buffalo milk is approximately	/		D	
	A. 13	В.	25		
	C. 0.5	D.	17		
413)	DCP for maintenance of a cow/1000 kg body weight sl	houl	d be	A	
	A. 0.70 kg	В.	0.24 kg		
	C. 1.25 kg	D.	2.00 kg		
414)	ncrease in live weight of pregnant zebu cow during la	st 60	days of gestation period is	В	
	A. 10-15 kg	В.	20-30 kg		
	C. 40-50 kg	D.	50-60 kg		
415)	The presence of ketone bodied in the urine is the indic	catio	on of	С	
	A. Milk fever	В.	High blood pressure		
	C. Acetonaemia	D.	Bloat		
416)	Mark the normal respiration rate per minute of health	ı bul	falo	A	
	A. 12-20	В.	8-12		
	C. 6-12	D.	8-10		
417)	Vitamin B <sub>12</sub> is also called		1	D	
	A. Thiamin	В.	Riboflavin		
	C. Cobalamin	D.	Cynocobalamin		
418)	Tocoferol is also called		1.	D	
	A. Vitamin B	В.	Vitamin C		
	C. Vitamin D		Vitamin E		
419)	The best way of combating the snake bite is		1	С	
	A. Injecting Antibiotic	В.	Giving mineral mixture		
	C. Injecting antivenum serum	D.			
420)	After manual removal of placenta the washing should	be o		D	
	A. Salt solution		Sodium Choloride solution		
	C. Sodium carbonate		Lugol solution		
421)	A constituent found in milk and blood both is		, -	A	
	A. Globolin	В.	Casein		
	C. Albumen	D.			
422)			1	С	
	A. 1100 kg	В.	1400 kg		
	C. 1800 kg		2000 kg		
423)	Mark the lyre-horned grey cattle with wide forehead f		·	A	
	A. Kankrej		Haryana		
1	C. Rojhan	D.			
	<u> </u>		· · · · · · · · · · · · · · · · · · ·		

424)	Which of these is a dual purpose breed?			В
	A. Red Sindhi	В.	Tharparker	
	C. Bagh Nari		Dhanni	
425)	Mark the optimum calving interval for the high leve	el of bre	eding efficiency in cow	С
	A. 250 days	В.	310 days	
	C. 395 days		450 days	
426)	A feed high in energy or protein, low in fiber and h	ighly dig	gestible is	С
	A. Roughage		Silage	
	C. Concentrate		Hay	
427)	A buffalo bred on February 26, will calve on		,	В
	A. November 15	В.	December, 23	
	C. October 11	D.	September 20	
428)	The greatest criticism of milking machine is that it	is		D
	A. Noisy		Complicated	
	C. Efficient		Sometimes means of spreading udder troubles	
429)	Most dairy calves are raised	L .	, ,	A
	A. On milk feeding by hand	B.	Dam suckling	
	C. On another cow		On butter milk	
430)	The term dual purpose describes cattle that are	·		В
	A. Of two colours	B.	Bred for milk and draught	
	C. Yield high milk with high fat	D.	Breed for fat and milk	
431)		·		С
	A. 282 days	В.	151 days	
	C. 307 days	D.	335 days	
432)	Addition of water in milk will:	ı	,	С
	A. Increase specific gravity	B.	Increase total solids	
	C. Decrease specific gravity	D.	No change in specific gravity	
433)	Specific gravity of separated milk is	·	0 1 0 7	С
	A. 1.025	В.	1.032	
	C. 1.030	D.	1.028	
434)	f correct lactometer reading (C.L.R.) of milk is 25, 1	the spec	ific gravity will be:	A
	A. 1.025		1.032	
	C. 1.030	D.	1.036	
435)	The reading on lactometer ranges from	ı		В
	A. 0-20	В.	0-40	
	C. 10-20	D.	0-50	
436)	Fat in milk exists in the form of	·		A
	A. Emulsion	В.	Colloidal	
	C. Solution	D.	Partly in solution	
437)	The average size of fat globules in cow milk is	I		A
	A. 3-4 micron	В.	8-10 micron	
	C. 5-6 micron	D.	10-20 micron	
438)	Present population of goats in Pakistan is	II.	1	A
	A. 56.7 million	В.	4.9 million	
	C. 106 million	D.	10.6 million.	
439)	The presence of ketone bodied in the urine is the i			С
	A. Milk fever	В.	High blood pressure	
	C. Acetonaemia	D.	Bloat	
	7.00t0114C11114			

440)	Flushing can increase the lamb crop by			D
ĺ	A.   50%	В.	30%	
	C. 2%	D.		
441)	Which one is the fat tail breed of sheep?		1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	С
	A. Lohi	B.	Sipli	
	C. Salt Range	D.	·	
442)	Which one is the Kharif fodder?		1 .3	D
	A. Barseem	В.	Barley	
	C. Oats	D.	, and the second	
443)	The most killer disease of sheep and goat is			D
	A. H.S	В.	Rinderpest	
	C. Foot & Mouth	D.	Enterotoxemia	
444)	Vaccination in livestock is mostly done by			D
	A. Orally	В.	Intrauterine injection	
	C. Intramuscular injection	D.	•	
	Carbohydrate is the sole source of energy in the		Townson Myster	A
	A. Brain	В.	Skeletal muscle	
	C. Myocardium	D.		
446)	A localized collection of pus known as			A
l l	A. Abscess	В.	Injury	
l l	C. Wound		Fracture	
	On average, fat content in sheep milk is			A
ĺ	A.  5.3%	В.	3.5%	
	C. 12.4%		10.5%	
	A sheep bred on January 15 will lamb on			A
	A. June 12	В.	May, 1	
	C. March 18		April, 29	
449)	Sheep meat is called		IP, =0	D
ĺ	A. Beef	В.	None of these	
	C. Edible organ		Mutton	
	The standard lactation period of milch cattle is			A
	A. 305 days.	В.	250 days	
	C. 320 days		150 days	
	A breeding male of sheep is called		1 1-	С
	A. Bull	B.	Ewe	
	C. Ram		Buck	
452)	Vermicide in the following is		1= ====	В
	A. Sod. Sulphate	В.	Nilverm	
	C. Ammonium Chloride		Phenol	
453)	Foot and mouth in buffalo is due to		I. 1121.12.	В
	A. Bacteria	B.	Virus	
	C. Parasite		Fungus	
454)	Tympanitis is a condition associated with:	Γ.	FO	A
/	A. Gas in rumen	В.	Viral infection	
	C. Bacterial infection		More water intake	
455)	Mark the estrus Cycle of a healthy cow:		more water make	A
	A. 21 days	B.	18 Hours	<b>—</b>
	C. 281 days		30 days	
	201 days	٥.	Jo days	

456)	Heat period in buffalo is about		D
	A. 2 to 8 hours	B. 4 days	
	C. 8 to 12 days	D. 12 to 34 days	
457)	Central pair of incisors in cattle erupts at:	,	В
	A. 3 years	B. 2 years	
	C. 6 months	D. 5 years	
458)	A beef animal requires covered area	, ,	В
	A. 140 sq feet	B.  50 sq f	
	C. 200 sq f	D. 120 sq f	
459)	Extra feeding of pregnant cow should be don		A
	A. 6 months	B. 3 months	
	C. 1 month	D. 20 days	
460)	Udder secretion immediately after calving is	alled	С
	A. First milk	B. Special milk	
	C. Colostrum	D. Calf starter	
461)	In newly born calf, umbilical cord must be tre		D
	A. Sodium carbonate	B. Potassium Permanganate	
	C. Sulphur ointment	D. Tincture iodine	
462)	Scrotal sac temperature of a bull compared	o body temperature is	A
	A. Less	B. Indefinite	
	C. More	D. Equal	
463)	Dry matter required by cow of 400 kg body w		A
	A. 10 kg	B.  20 kg	
	C. 2.5 kg	D. 0.5 kg	
464)	Pica is caused due to the deficiency of:		С
	A. Vitamin B <sub>12</sub>	B. Protein	
	C. Phosphorus	D. Cystine	
465)	Specific gravity is generally more in the milk of		В
	A. Cow	B. Separated milk	
	C. Buffalo	D. Camel	
466)	Metritis is a disease of:		В
	A. Udder	B. Reproductive organs	
	C. Heart	D. None of these	
467)	A double row dairy shed (60 x 12 mt.) can ho	JSE COWS.	A
	A. 100	В.  50	
	C. 200	D. 1000	
468)	Best method of milking is:		С
	A. Suckling	B. Knuckling	
	C. Full hand milking	D. Stripping	
469)	The principal function of 'Vitamin D is to	1 1 1 7 0	A
	A. Maintain bone growth	B. Form Rhodopsin	
	C. Keep muscles strong	D. Cause urination	
470)	A constituent found in milk but not in blood i		D
ĺ	A. Globulin	B. Glucose	
	C. Minerals	D. Casein	
471)	Name the disease where carcass must be pitt		A
	A. Anthrax	B. Black quarter	
	C. Tuberculosis	D. Malaria	
	1 1. 3.44. 44.44.4		

472)	A teaser bull is maintained to:			В
	A. Keep herd moving	В.	Detect heat	
	C. Protect weak animals	D.	Inseminate cow	
473)	Doe is the adult female of			D
	A. Dog	В.	Duck	
	C. Sheep	D.	Goat	
474)	Average pulse rate of adult sheep is	•		A
	A. 80 per minute	В.	100 per minute	
	C. 120 per minute	_	25 per minute	
475)	The replacement of milk teeth in small ruminants com	mei	nces at the age of	A
	A. 12 to 14 months.	В.	30-35 months	
	C. 20-24 months	D.	18-30 months	
476)	Total solid percentage of cow milk is approximately	•		A
	A. 13	В.	25	
	C. 0.5	D.	5.0	
477)	Total solid percentage of buffalo milk is approximately	,		D
	A. 13	_	25	
	C. 0.5	D.	17	
478)	DCP for maintenance of a cow/1000 kg body weight sh	noul	d be	A
	A. 0.70 kg	В.	0.24 kg	
	C. 1.25 kg		2.00 kg	
479)	ncrease in live weight of pregnant zebu cow during la	st 6	days of gestation period is	В
	A. 10-15 kg	В.	20-30 kg	
	C. 40-50 kg	D.	50-60 kg	
480)	The presence of ketone bodied in the urine is the indic	catio	on of	С
	A. Milk fever	В.	High blood pressure	
	C. Acetonaemia	D.	Bloat	
481)	Mark the normal respiration rate per minute of health	bul	falo	A
	A. 12-20	В.	8-12	
	C. 6-12	D.	8-10	
482)	Beef animals are kept for			A
	A. Meat	В.	None of these	
	C. Milk	D.	Skin	
483)	Tocoferol is also called			D
	A. Vitamin B	В.	Vitamin C	
	C. Vitamin D	D.	Vitamin E	
484)	The best way of combating the snake bite is			С
	A. Injecting Antibiotic	В.	Giving mineral mixture	
	C. Injecting antivenum serum	D.	Giving mineral oil	
	After manual removal of placenta the washing should	be o	done with	D
	A. Salt solution	В.	Sodium Choloride solution	
	C. Sodium carbonate	D.	Lugol solution	
486)	A constituent found in milk and blood both is			A
	A. Globolin	В.	Casein	
	C. Albumen	D.	Minerals	
487)	Mark the per lactation milk yield of Sahiwal cow		·	С
	A. 1100 kg	В.	1400 kg	
	C. 1800 kg	D.	2000 kg	

Mark the lyre-horned grey cattle with wide fo A. Kankrej	·	A		
C. Rojhan	B. Haryana D. Daial			
1 -	P. Dajal	В		
Which of these is a dual purpose breed?	b H	- Б		
A. Red Sindhi	B. Tharparker			
C. Bagh Nari	D. Dhanni			
90) Mark the optimum calving interval for the hig		С		
A. 250 days	B. 310 days			
C. 395 days	P. 450 days	9		
$^{91)}$ A feed high in energy or protein, low in fiber a		C		
A. Roughage	B. Silage			
C. Concentrate	D. Hay			
92) A buffalo bred on February 26, will calve on		В		
A. November 15	B. December, 23			
C. October 11	D.   September 20			
The greatest criticism of milking machine is that it is				
A. Noisy	B. Complicated			
C. Efficient	D. Sometimes means of spreading udder troubles			
94) Most dairy calves are raised		A		
A. On milk feeding by hand	B. Dam suckling			
C. On another cow	D. On butter milk			
95) The term dual purpose describes cattle that a	ire	В		
A. Of two colours	B. Bred for milk and draught			
C. Yield high milk with high fat	D. Breed for fat and milk			
96) Gestation period in case of buffalo is of	1 1	С		
A. 282 days	B. 151 days			
C. 307 days	D. 335 days			
97) Addition of water in milk will:	1 100 30/1	С		
A. Increase specific gravity	B. Increase total solids			
C. Decrease specific gravity	D. No change in specific gravity			
98) Specific gravity of separated milk is	The strange map at the grant of	С		
A. 1.025	В. 1.032			
C. 1.030	D. 1.028			
99) If correct lactometer reading (C.L.R.) of milk is		A		
A. 1.025	B. 1.032			
C. 1.030	D. 1.036			
00) The reading on lactometer ranges from	F. 1 2.000	В		
A. 0-20	В. 0-40			
C. 10-20	D. 0-50			



## University of Agriculture, Faisalabad Question Bank for Animal Sciences for Admission to MS/M.Phil/M.Sc.(Hons)/Ph.D Program

POULTRY SCIENCE MCQ's	S		Answer Key
Pre-brooding management means the various	measures tha	at are taken for brooding of newly hatched chicks	A
A. Before arriving at farm.	В.	After arriving at farm.	
C. At the age of two weeks.	D.	At the age four week.	
502) Shed selected for brooding should be away fro	om other she	d at a distance of	В
A. 60 Foot	В.	100 Foot	
C. 180 Foot	D.	140 Foot	
503) To reduce chances of microbial growth in she	d, wall shoul	d be cemented from ground at a distance of	A
A. 2.0-2.5 Foot	В.	3.0-3.5 Foot	
C. 2.5-3.0 Foot	D.	3.5-4.0 Foot	1
(504) Equipments earlier removed should be scrubb	ed clean with	h brush and later on sprinkled with some disinfectant	A
A. KMnO <sub>4</sub>	В.	Formalin	
C. Hot water	D.	Cold water	
505) Shed should preferably be clean and disinfector			A
A. One week before arrival of chick	В.	Two weeks before arrival of chicks	1
C. Three weeks before arrival of chicks	D.	Four weeks before arrival of chicks	
(06) In case of cold weather, brooder should be tur			В
A. 8 hours before arrival	B.	10 hours before arrival	1
C. 12 hours before arrival	D.	20 hours before arrival	1
(07) From the brooder edge chick guard should be			В
A. 1-2 Foot	B.	2-3 Foot	1 -
C. 3-4 Foot	D.	4-5 Foot	
08) To reduce early chick mortality, antibiotics sh	ould be adm		В
A. 1-3 days	В.	3-5 days	1
C. 5-7 days	D.	7-9 days	
09) Upon arrival of chicks at farm, layer of litter s		•	В
A. Single layer of paper	В.	Double layer of paper	1
C. Triple layer of papers	D.	None of the above	
10) Special care and management of baby chicks u	ıntil they do		A
A. Brooding		Rearing	1 1
C. Laying	D.	All of the above	
11) Brooding system in which individual brooder	with capacit		A
A. Colony brooder system	В.	Continuous brooder	1
C. system Battery brooding	D.	Tier brooding	
12) Brooding system in which large number of ch			В
A. Colony brooder system	B.	Continuous brooder system	1 1
C. Battery brooding	D.	Tier brooding	1
		light moisture and after that it should contain about	D
A. 10% moisture	B.	15% moisture	٦ ا

	C. 20% moisture	D.	25% moisture	
514)	During first few days of chicks life, paper is spread on			В
_	A. 1-2 days	B.	2-3 days	
	C. 3-4 days	D.	4-5 days	
515)	As soon as chicks learn the source of supplementary he		,	С
I .	A. first day	B.	Second day	
	C. Third day	D.	Fourth day	-
	a satisfactory temperature during first week at a point of		•	С
	oor of the litter should be		menes outside the europy and 2 menes above the	
A	A. 75 °F	B.	85 °F	-
	2. 95 °F	D.	105 °F	
	The brooder temperature should be reduced by 5 °F week	klv	according to the age but not beyond	A
	A.   75 °F	В.	85 °F	
	C. 95 °F	D.	105 °F	-
518)[r	n case of breeder flock brooding, male chicks should be	pre		A
_	A. 02-05 °F	B.	05-08 °F	
	C. 08-10 °F	D.	10-11 °F	1
519)	Birds feces contain approximately moisture %	<u> </u>		С
1 h	A. 55-60	В.	65-70	
	C. 75-80	D.	85-90	-
520)	Level of CO at which poisoning can occur in the chick			A
-		_	0.02%	A
P	A. 0.01% C. 0.03%	B.		-
521)		D.	0.04%	
_	denetics is the science devoted to the study of A. Resemblance	В.	Offspring	С
		-		
520) D	C. Inheritance	D.	Parents	D
l ' <del>  .</del>	asic constituent of all living material	ь	Call	В
P	A. Gene	B.	Cell	-
520) E	C. Chromosome	D.	Tissue	
	The part of cell which is responsible for transmission of		<b>-</b>	С
P	A. Cell wall	В.	Cytoplasm	-
72.0	C. Nucleus	D.	Protoplasm	
l ′⊢	low many types of cells according to their function	_	2	A
P	A. 02	В.	3	-
525) 6	2. 04	D.	05	D
I -	tell that compose the tissues of the body are	ь	Carracilla	D
	A. Auto cells	B.	Sex cells	-
(	C. Functional cells	D.	Somatic cells	~
I ′⊢	od like structures within the nucleus are	Ь	D. C. andrews	С
	A. Gene	B.	Reticulum	
525	C. Chromosome	D.	Chlorophyll	-
I -	otal pairs of chromosomes in chicken are	Ь	20	В
	A. 38 C. 40	B. D.	39	-
52810	vidently the pairs of macro chromosomes are	υ.	41	В
328) <u>E</u> A	1 - · · · · ·	В.	06	ש
	C. 08	D.	10	1
	1 **	$\vdash$	<u> </u>	1

529)	Number of pairs of micro chromosomes are			A
	A. 33	B.	34	
	C. 35	D.	36	
530)	Types of chromosomes are			A
	A. 02	B.	04	
	C. 06	D.	08	
531)	History of birds is as old as			C
	A. 100 million years ago	B.	125 million years ago	
	C. 150 million years ago	D.	175 million years ago	
532)	The first bird on earth was			В
	A. Red Jungle Fowl	B.	Archaeopteryx	
	C. Gallus domesticus	D.	Gallus gallus	
533)	The most probable species from which domestic fowl e	volv	ved is	С
	A. Green jungle fowl	B.	Grey jungle fowl	
	C. Red jungle fowl	D.	Black jungle fowl	
534)	Domestication of chicken stated in China		J C	D
	A. 8000 BC	B.	2500 BC	
	C. 2000 BC	D.	None of these	
535)	Domestication of chicken started in Indus valley	٠.	Trone of these	В
333)	A. 2500 BC	B.	2000 BC	<b>-</b>
	C. 1500 BC	D.	1200 BC	
526)	Birds were used first not for food purpose but for	υ.	1200 BC	D
330)		ь	Cock fighting	$\dashv$
	A. Religious purpose C. Entertainment	В.	All of the above	
505)		D.	All of the above	-
537)	Cock fighting was banned due to cruelty in	Ь	1070 A D	В
	A. 1800 A.D.	В.	1850 A.D.	
	C. 1900 A.D.	D.	1950 A.D.	
538)	American Poultry Association started its work in			D
	A. 1870	B.	1871	
	C. 1872	D.	1873	
539)	A group of standard breeds which have been develop in	a c	ertain region are known as	С
	A. Breed	B.	Strain	
	C. Class	D.	Genus	
540)	Number of classes of poultry are	<u> </u>		В
ĺ	A. Three	B.	Four	
	C. Five	D.	Six	
541)	Loss of appetite and weight occur due to Aflatoxin leve	l in	feed (ppm) @	С
	A. 0.055	B.	0.065	
	C. 0.075	D.	0.085	
542)	Severe drop in growth and production along with morta	lity	occur due to Aflatoxin level in feed (ppm) @	A
′	A. 10.00	B.	20.00	
	C. 30.00	D.	40.00	
543)	Loss in weight and emaciated flocks occur due to Ochra	atox		A
	A. 0.50	B.	1.00	
	C. 1.50	D.	2.00	$\dashv$
5/1/1	Mortality starts, emaciated flocks and production drop of			A
J+4)	A. 10.00	B.	20.00	
	Λ. 10.00	υ.	20.00	

	C. 30.00	D.	40.00	
545)	Loss in weight with liver damage occur due to Citranin	leve	el in feed (ppm) @	С
	A. 10	B.	20	
	C. 30	D.	40	
546)	Pronounced hemorrhages in intestine occur due Citranir	ı lev	vel in feed (ppm) @	В
	A. 100	B.	150	
	C. 200	D.	250	
547)	Fat on liver, ulcers in mouth, drop in production occur of			Α
	A. 05	B.	10	
7.40	C. 15	D.	20	D
	Ulcers in gizzard, swollen kidneys, pale comb and mort			В
	A. 05 C. 15	B. D.	10 25	
5/(9)	Loss in weight and production, anemia and pale comb o			В
	A. 050	R	100	Б
	C. 150	D.	200	
550)	Ascites means			В
	A. Mortality due to higher CO <sub>2</sub> level in environment	B.	Belly of bird containing water	
	C. Toxicity due to higher NH <sub>3</sub> level in environment	D.	Higher level of citric acid in blood of the bird	
551)	Feed intake and egg production are depressed when N	aC1		В
001)	A. 05%	B.	10%	D
	C. 15%	D.	20%	
552)	Lethal dose of KMnO <sub>4</sub> for the chicken body weight is			
	A. 02 g/kg	B.	04 g/kg	В
	C. 06 g/kg	D.	08 g/kg	
553)	Renyl powder is an example of			C
	A. Disinfectant	B.	Antibacterial	
	C. Diuretic	D.	Antiparasitic	
554)	Causative organism of Pullorum disease is			В
	A. Salmonella galinarum	В.	Salmonella pullorum	
	C. Salmonella typhimorium	D.	Salmonella entridis	
555)	Causative organism of Typhoid disease is			A
	A. Salmonella galinarum	В.	Salmonella pullorum	
	C. Salmonella typhimorium	D.	Salmonella entridis	
556)	Causative organism of Omphalistis disease may be			A
	A. Salmonella typhimorium	В.	Salmonella pullorum	
	C. Salmonella sporogenes	D.	Salmonella entridis	
557)	Causative organism of Infectious Coryza disease is	-		В
	A. Salmonella galinarum	B.	Hemophilus para gallinarum	
	C. Salmonella sporogenes	D.	Salmonella entridis	
558)	Causative organism of Chronic Respiratory disease is	-		В
	A. Salmonella galinarum	B.	Mycoplasma gallisepticum	
	C. Mycoplasma synoviae	D.	Salmonella entridis	
559)	Causative organism of Newcastle disease is	1	<u>I</u>	В
-	A. Orthoparamyxovirus	B.	Paramyxovirus type-1	-
	C. Birna virus	D.	Adenovirus	
560)	Causative organism of Rani Khet disease is	<u>L.</u>		В
	A. Orthoparamyxovirus	В.	Paramyxovirus type-1	ע
		۲.		

C. Birna virus	D. Adenovirus				
561) Poultry housing enhance bird's production by pr		A			
A. Physical environment	B. Hot environment				
C. Moderate environment	D. Cold environment				
562) For construction of poultry shed, soil should be		D			
A. Clay	B. Saline				
C. Sandy	D. Sandy loan				
563) In temperate areas the direction of shed should be	•	В			
A. Towards North South	B. Towards East West				
C. Both A and B	D. Direction is not important				
564) In the cold areas length of shod must be	*	A			
A. Towards North South	B. Towards East West				
C. Both a & b	D. Direction is not important				
565) Movement of water flow in the shed should be		A			
A. From young towards old stock	B. From old towards young stock	K			
C. Out of the shed	D. In the middle of shed				
566) Poultry shed should not be close to	1 1	В			
A. Hill top	B. Populated area				
C. Vaccine market	D. Feed market				
567) Poultry shed should be located on		D			
A. Hill top	B. Plane land				
C. In the valley	D. Sloping hill side				
568) Outer boundary of the farm should be planted w	h	C			
A. Vegetable	B. Fodder crop				
C. Trees	D. Bushes				
569) Recommended length of open sided shed is		A			
A. 100 Feet	B. 500 Feet				
C. 1000 Feet	D. 2000 Feet				
570) Recommended length of environment-controlled	house is	A			
A. 300 Feet	B. 50 Feet				
C. 100 Feet	D. 1000 Feet				
571) Recommended width of an open sided shed is		A			
A. 30 Feet	B. 50 Feet				
C. 100 Feet	D. 150 Feet				
572) Recommended width of an environmentally con		В			
A. 20 Feet	B. 40 Feet				
C. 100 Feet	D. 500 Feet				
573) Standard height of poultry shed in hot areas		A			
A. 12-14 Feet	B. 13-15 Feet				
C. 05-07 Feet	D. 08-10 Feet				
574) Standard height of poultry shed in cold area is					
A. 07-08 Feet	B. 08-10 Feet				
C. 12-13 Feet	D. 13-15 Feet				
575) Minimum distance between two poultry sheds sl		C			
A. 5 Feet	B. 20 Feet				
C. 50 Feet	D. 100 Feet				
576) Minimum distance between two poultry farm sh	uld be	A			

	A. 01 km	B.	05 km	
	C. 10 km	D.	20 km	
577)	Minimum distance of poultry shed from the road should		20 Kili	D
311)	A. 25 feet	В.	40 feet	
	C. 75 feet	D.	100 feet	
<i>57</i> 0)				
· ·	Recommended floor space for broilers birds in conventi		<u> </u>	D
	A. 05 sq.ft./bird	B.	03 sq.ft./bird	
	C. 02 sq.ft./bird	D.	01 sq.ft./bird	
	Recommended floor space for layer birds on litter floor			A
	A. 1.75 sq.ft./bird	B.	2.50 sq.ft./bird	
	C. 4.50 sq.ft./bird	D.	5.50 sq.ft./bird	
580)	Recommended floor space for egg type breeder birds i	S		В
	A. 1.0 sq.ft./bird	В.	2.0 sq.ft./bird	
	C. 3.0 sq.ft./bird	D.	4 .0 sq.ft./bird	
581)	In birds fertilization takes place in			С
	A. Ovary	B.	Uterus	
	C. Infundibulum	D.	Vagina	
582)	In birds fertilization take place in	-		D
	A. Ovary	B.	Uterus	
	C. Vagina	D	None of these	
583)	In fowls during embryonic development various parts of	f die		A
· ·	A. Hypoblast	B.	Epiblast	
	C. Mesoderm	D.	None of these	
501)	In fowls during embryonic development skin is develop			В
· ·	A. Hypoblast	B.	Epiblast	- В
	C. Mesoderm	D.	None of these	
585)	In fowls during embryonic development feathers are dev			В
-	A. Hypoblast	B.	Epiblast Epiblast	
	C. Mesoderm	D.	None of these	
	In fowls during embryonic development beak is develop			В
	A. Hypoblast	В.	Epiblast	
	C. Mesoderm		None of these	
587)	In fowls during embryonic development claws are dev			В
	A. Hypoblast	В.	Epiblast	
	C. Mesoderm	D.	None of these	
588)	In fowls during embryonic development nervous syste	m i		В
	A. Hypoblast	В.	Epiblast	
	C. Mesoderm	D.	None of these	
580)	In fowls during embryonic development the lens and ret			В
J07)	A. Hypoblast	В.	Epiblast	В
	C. Mesoderm	D.	None of these	
500)	In fowls during embryonic development lining of the r			В
J7U) 			<u>,                                      </u>	
	A. Hypoblast	В.	Epiblast	
	C. Mesoderm	D.	None of these	
591)	In fowls during embryonic development respiratory org			A
	A. Hypoblast	В.	Epiblast	
	C. Mesoderm	D.	None of these	
502)	In fowls during embryonic development secretary organ	ns a1	re developed from	A

A. Hypoblast	B. Epiblast	
C. Mesoderm	D. None of these	
593) In fowls during embryonic development bo	ones are developed from	С
A. Hypoblast	B. Epiblast	
C. Mesoderm	D. None of these	
594) In fowls during embryonic development	nuscles are developed from	С
A. Hypoblast	B. Epiblast	
C. Mesoderm	D. None of these	
595) How many types of pox viruses that can ca		С
A. Two	B. Three	
C. Four	D. Five	
	e organs of the reproduction are developed from	С
A. Hypoblast	B. Epiblast	
C. Mesoderm	D. None of these	
597) In a laying hen, a developing egg remains		В
A. 1-2 hour	B. 3-4 hours	B
C. 5-6 hour	D. 7-8 hour	
598) In a laying hen, a developing egg remains		A
A. 1-2 hours	B. 5-6 hours	
C. 9-10 hours	D. 11-12 hours.	
599) In a laying hen, a developing egg remains		С
1 0 00		
C. 18-20 hours	D. Trone of these.	C
600) During a chicken embryonic development, A. Infundibulum		C
	B. Magnum	
C. Isthmus	D. Uterus	
601) Length of uterus in the reproductive system		В
A. 05 cm	B. 10 cm	
C. 15 cm	D. 20 cm	
602) Length of infundibulum in the reproductive		В
A. 05 cm	B. 10 cm	
C. 15 cm	D. 20 cm	
603) Main function of vagina of a hen is	b Lar	D
A. Fertilization	B. Cleavage formation	
C. Albumin secretion	D. Sperm storage	
Somites are blocks of cells that segregate		D
A. Ectoderm	B. Endoderm	
C. Mesoderm	D. Dorsal mesoderm	
605) Incubation period of Chicken egg is		C
A. 11 days	B. 16 days	
C. 21 days	D. 26 days	
606) Incubation period of Quail egg is		С
A. 11 days	B. 14 days	
C. 17 days	D. 20 days	
	L L	
607) Incubation period of Pheasant egg is		C

C. 28 days	D. 35 days	
608) Incubation period of Duck egg is	p.   33 days	В
A. 14 days	B. 28 days	
C. 42 days	D. None of these	
609) Incubation period of Peacock egg is	P-1	В
A. 14 days	B. 28 days	_
C. 42 days	D. None of these	
610) Incubation period of Ostrich egg is		D
A. 11 days	B. 21 days	
C. 31 days	D. 42 days	
611) In the embryonic development, allantois serves as		D
A. Nutritive	B. Bacteriostatic	_
C. Insulatitive	D. None of these	
612) Hatching eggs are shifted from setter to hatcher at the a	ige of	D
A. 16 days	B. 17 days	1
C. 20 days	D. 18 days	1
613) In the embryonic development, the chorio-allantoic mem		A
A. Nutritive	B. Bacteriostatic	
C. Insulatitive	D. Respiratory surface	1
614) During incubation process the heart of a chicken embryo	starts beating at	A
A. 2 <sup>nd</sup> day of incubation	B. 3 <sup>rd</sup> day of incubation	
C. 4 <sup>th</sup> day of incubation	D. 5 <sup>th</sup> day of incubation	
615) During incubation process the heart of a chicken embryo		D
A. 4 <sup>th</sup> day of incubation	B. 6 <sup>th</sup> day of incubation	
C. 8 <sup>th</sup> day of incubation	D. None of these	
616) Follicle stimulating hormone is produced by		В
A. Posterior pituitary	B. Anterior pituitary	
C. Thymus gland	D. Adrenal gland	
617) Follicle stimulating hormone is produced by		D
A. Posterior pituitary	B. Thymus gland	
	D. None of these	
618) Number of days required to mature an individual yolk in		В
	B. 10 days	
C. 15 days	D. 20 days	
619) In a laying hen an individual yolk matures in		A
A. 10 days	B. 20 days	
C. 30 days	D. 40 days	
620) Progesterone hormone is secreted by		D
	B. Magnum	
C. Isthmus	D. Ovary	
621) Recommended floor space of meat type breeder birds is	D 4.5 C.A. 1	A
1	B. 4.5 sq.ft./bird	
C. 5.5 sq.ft./bird	D. 6.5 sq.ft./bird	
622) Relative humidity required in poultry shed is	b   75 000/	Α
A. 60-65%	B. 75-80%	
C. 85-90%	D. 90-100%	
623) Γemperature required during 1 <sup>st</sup> week of brooding is		A

C.   85°F   D.   80°F   A   A   O°F   C.   80°F   D.   80°F   D.   70°F   C.   80°F   D.   70°F   D.		A.   95 °F	В.	75 °F	
Carrel   Camperature required during 2 <sup>rol</sup> week of brooding is					
A   90 °F	624)		۲.		A
C.   80 °F   D.   75 °F		0-	В.	$70{}^{0}\mathrm{F}$	
A.   85 °F   D.   75 °F   D.   70 °F		C. 80 °F	_	75°F	
C.   75 °F   D.   70 °F   D.   70 °F	625)	Γemperature required during 3 <sup>rd</sup> week of brooding is	1		A
A   No   Per   No   No   No   No   No   No   No   N			B.		
A.   80 °F   B.   90 °F     C.   70 °F   D.   65 °F     C.   70 °F   B.   80 °F     C.   70 °F   B.   80 °F     A.   75 °F   B.   80 °F     C.   65 °F   D.   60 °F     C.   65 °F   B.   80 °F     C.   85 °F   D.   95 °F     C.   75-85 °F   D.   85-100 °F     A.   20-0 content of the birds is governed by     A.   C.   C.   C.   C.   C.   C.     A.   5.   C.   C.   C.   C.   C.     A.   5.   C.   C.   C.   C.   C.   C.     A.   C.   C.   C.   C.   C.   C.   C.		C. 75 °F	D.	70 °F	
C.   70 °F   D.   65 °F	626)	Γemperature required during 4 <sup>th</sup> week of brooding is	1		A
A					
A.   75 °Fr   B.   80 °Fr   C.   65 °F   D.   60 °F			D.	65 °F	
C   65 °F   D   66 °F	627)	Γemperature required during 5 <sup>th</sup> week of brooding is	_	000	A
Color					
A			D.	60 °F	
C.   85 °F   D.   95 °F			Ь	75 °C	- B
Baseline					
A.   25-50 °F   B.   55-75 °F   D.   85-100 °F	620)		υ.	уз г	D
C.   75-85 °F   D.   85-100 °F   A   A   CO <sub>2</sub> content of the birds is governed by   A   CO <sub>2</sub> content of the blood   B.   O <sub>2</sub> content of the blood   C.   H <sub>2</sub> O content of the blood   D.   N content of the blood   B   A   Color   Color		A 25-50 °E	R	55-75 <sup>0</sup> E	- В
A. Coduction C. Radiation C. Ra			-		
A.   CO2 content of the blood   D.   N content of the blood   N cont	630)		ν.	03-100 1	Δ
C.   H <sub>2</sub> O content of the blood   D.   N content of the blood			В.	O <sub>2</sub> content of the blood	
Solution			-	_	
A.   5-10 cycles/min   D.   80-100 cycles/min   D.   80-100 cycles/min.	631)	2			В
C.   60-70 cycles/min   D.   80-100 cycles/min.			B.	15-25 cycles/min	
632) Body temperature of adult poultry bird is A. 106.5 °F B. 120.5 °F C. 130.5 °F D. 150.5 °F D. 150.5 °F B. Convection C. Radiation D. Evaporation  634) Mechanisms of heat lost from bird's body through touching of cold air is called A. Conduction B. Convection C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through waves of energy is called A. Conduction B. Convection C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction B. Convection C. Radiation D. Evaporation  636) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction D. Evaporation  637) Thermal stress stated when environmental temperature exceed from C. Radiation D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from A. 15 °C B. 25 °C C. 35 °C D. 45 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors			D.	•	
C. 130.5 °F  633 Mechanisms of heat lost from bird's body through touching of cold air is called A. Conduction B. Convection C. Radiation D. Evaporation  634) Mechanisms of heat lost from bird's body through waves of energy is called A. Conduction B. Convection C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction B. Convection C. Radiation D. Evaporation  636) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction B. Convection C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction B. Convection C. Radiation D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from A. 15 °C C. 35 °C B. 25 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors	632)	Body temperature of adult poultry bird is	<u> </u>	,	A
633) Mechanisms of heat lost from bird's body through touching of cold air is called A. Conduction C. Radiation D. Evaporation  634) Mechanisms of heat lost from bird's body through waves of energy is called A. Conduction B. Convection C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction D. Evaporation  637) Intermal stress stated when environmental temperature exceed from A. 15 °C C. 35 °C C. 35 °C D. 45 °C C. 35 °C D. 45 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors		A. 106.5 °F	B.	120.5 °F	
A. Conduction C. Radiation D. Evaporation  634) Mechanisms of heat lost from bird's body through waves of energy is called A. Conduction C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction B. Convection C. Radiation D. Evaporative heat lost  637) Ihermal stress stated when environmental temperature exceed from A. 15 °C B. 25 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors		C. 130.5 °F	D.	150.5 °F	
C. Radiation  D. Evaporation  A. Conduction  D. Evaporation  C. Radiation  D. Evaporative heat lost  D. Evaporation  D.	-	<del>.</del>			В
634) Mechanisms of heat lost from bird's body through waves of energy is called  A. Conduction  C. Radiation  D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called  A. Conduction  B. Convection  C. Radiation  D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called  A. Conduction  B. Convection  C. Radiation  D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from  A. 15 °C  C. 35 °C  C. 35 °C  D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors			B.	Convection	
A. Conduction C. Radiation D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction B. Convection C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction B. Convection C. Radiation D. Evaporative Convection D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from A. 15 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors			D.	1	
C. Radiation  D. Evaporation  635) Mechanisms of heat lost from bird's body through touching of cold object is called  A. Conduction  C. Radiation  D. Evaporation  Evaporation  C. Radiation  D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called  A. Conduction  B. Convection  C. Radiation  D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from  A. 15 °C  C. 35 °C  C. 35 °C  D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors	634)	, ,	_		C
635) Mechanisms of heat lost from bird's body through touching of cold object is called A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction B. Convection C. Radiation D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from A. 15 °C C. 35 °C D. 45 °C C. 35 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors			┢		
A. Conduction C. Radiation D. Evaporation  636) Mechanisms of heat test from bird's body through respiration is called A. Conduction C. Radiation D. Evaporative heat lost  637) Chermal stress stated when environmental temperature exceed from A. 15 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors				*	
C. Radiation  D. Evaporation  C. Radiation  D. Evaporation  Conduction  B. Convection  C. Radiation  D. Evaporative heat lost  Conduction  C. Radiation  D. Evaporative heat lost  Convection  Evaporative heat lost	ŕ		_ `	<u> </u>	A
636) Mechanisms of heat test from bird's body through respiration is called  A. Conduction  B. Convection  C. Radiation  D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from  A. 15 °C  C. 35 °C  D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors			-		
A. Conduction B. Convection C. Radiation D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from A. 15 °C B. 25 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors	626)			4	D
C. Radiation  D. Evaporative heat lost  637) Thermal stress stated when environmental temperature exceed from  A. 15 °C  C. 35 °C  D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors	030)				۳ ا
637) Thermal stress stated when environmental temperature exceed from  A. 15 °C  C. 35 °C  D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors			+		
A. 15 °C C. 35 °C D. 45 °C  638) While insulating poultry shed more emphasis should be given to insulate A. Windows B. Doors	637)				С
C. 35 °C  638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors			_		
638) While insulating poultry shed more emphasis should be given to insulate  A. Windows  B. Doors					
A. Windows B. Doors	638)				D
C Walls			<u> </u>		
C.   wans   P.   Cenning		C. Walls	D.	Ceiling	

639)	Minimum R-value of roof for hot climatic conditions sho	oul	l be	В
ĺ	A. 02	B.	04	
	C. 08	D.	12	
640)	Minimum R-value of walls for hot climatic conditions sl	hou	ld be	В
	A. 01	B.		
	C. 04	D.	08	
641)	Causative organism of Infectious Bursal disease is			C
	A. Orthoparamyxo virus	B.	Paramyxovirus type-1	
	C. Birna virus	D.	Adenovirus	
642)	Causative organism of Gumboro disease is			C
	A. Orthoparamyxo virus	B.	Paramyxovirus type-1	
	C. Birna virus	D.	Adenovirus	
643)	Causative organism of Avian Nephrosis syndrome is			С
	A. Orthoparamyxo virus	В.	Paramyxovirus type-1	
	C. Birna virus	D.	Adenovirus	
644)	Causative organism of Hydropericardium syndrome is			D
	A. Orthoparamyxovirus	В.	Paramyxovirus type-1	
	C. Birna virus	D.	Adenovirus	
645)	Causative organism of Angara disease is			С
	A. Orthoparamyxovirus	B.	Paramyxovirus type-1	
	C. Birna virus	D.	Adenovirus	
646)	Causative organism of Fowl Pox disease is			С
0.07	A. Orthoparamyxovirus	B.	Paramyxovirus type-1	
	C. Pox virus	D.	Adenovirus	
647)	Causative organism of Marek's disease is			С
0.77	A. Orthoparamyxovirus	B.	Paramyxovirus type-1	
	C. Herpes virus	D.	Adenovirus	
648)	Causative organism of Range Paralysis disease is	٠.	Tideno (Tido	С
040)	A. Orthoparamyxovirus	B.	Paramyxovirus type-1	
	C. Herpes virus	D.	Adenovirus	
649)	Causative organism of Avian Leukosis disease is	Ο.	7 Ideno virus	D
047)	A. Orthoparamyxovirus	В.	Paramyxovirus type-1	
	C. Herpes virus	D.	Oncoronavirus C	
650)	Causative organism of Coccidiosis disease is	٧.	One of one of the original of	С
050)	A. Orthoparamyxovirus	В.	Paramyxovirus type-1	
	C. Emeria Tanella	D.	Adenovirus	
651)		υ.	Auchovirus	С
031)	A. Orthoparamyxovirus	В.	Paramyxovirus type-1	
	C. Emeria Tanella	D.	Adenovirus	
(52)		υ.	Adeliovirus	Α.
052)	Causative organism of Intestinal Coccidiosis disease is  A. Emeria Maxima	В.	Paramyxovirus type-1	A
	C. Emeria Tanella	-	Adenovirus  Adenovirus	
(52)		D.	Auchovirus	
653)	There are about _ species that cause Coccidiosis in chicle		00	В
	A. 08	B.	09	
~ ·	C. 10	D.	none of the above.	
654)	Most susceptible age of chicken for coccidiosis attack is		2rd 1.	В
	A. 2 <sup>nd</sup> week	B.	3 <sup>rd</sup> week	

	C. 4 <sup>th</sup> weeks	D.	None of the above	
655)	Specific symptom of Intestinal Coccidiosis that confirm	s th	e disease is	С
1 · · · · ·	A. Bloody diarrhea	B.	Blood in droppings	
	C. Pin point hemorrhages in intestine	D.	Birds reluctant to move	
656)	The drug of choice for Coccidiosis is			A
I F	A. Amprolium	B.	Nocox	
	C. Coccidak	D.	Diasulfina	
657)	Never give during coccidiosis attack			С
	A. Vitamin A&K	B.	Vitamin C	
	C. Vitamin B complex	D.	all of the above	
658)	Medicine for coccidiosis should be administered in the f	follo	owing way	С
	A. Continuous for 5 days	B.	Continuous for 7 days	
	C. Continuous for 3 days, 2 days rest & then 2 days	D.	None of the above	
659)	Coccidiosis is a disease	_ l		D
	A. Viral	B.	Bacterial	
	C. Mycotic	D.	Managemental	
660)	Spores of coccidiosis when seen under microscope are _	1	in shape	D
	A. Oval	B.	Spherical	
	C. Round	D.	Doubled walled oval	
661)	Group of birds belongs to same living place and having	sim	ilar characteristics including body shape, size and	A
	kin color are known as			
	A. Breed	В.	Variety	
	C. Strain	D.	Class	
662)	Within a breed the group of birds differentiated either by	y pl	umage color or shape of comb or feather pattern are	В
<u> </u>	known as			
	A. Breed	B.	Variety	
	C. Strain	D.	Class	
l ' F	Birds of which class have feathered shank	_		В
	A. Mediterranean	В.	Asiatic	
	C. American	D.	English	
I	Birds of which class lay white shelled eggs	1		A
	A. Mediterranean	В.	Asiatic	
	C. American	D.	English	
l 'F	Birds of which class have white ear lobes	_		A
	A. Mediterranean	В.	Asiatic	
(	C. American	D.	English	
666)	Birds of which class lay large number of eggs	1		A
	A. Mediterranean	B.	Asiatic	
	C. American	D.	English	
	Commercial development of the domestic fowl is successful.			D
	A. Feeding	В.	Vaccination	
	C. Biosecurity	D.	Genetic Engineering	
668)	Chicken reaches sexual maturity at about			В
[	A. 16 weeks	B.	20 weeks	
	C. 24 weeks	D.	28 weeks	
669)	ncubation period for a fertile chicken egg is			В
	A. 19 days	В.	21 days	

	C. 25 days	D.	28 days	
670)	A hen can produce how many progeny per year	Γ.	20 days	С
	A. 100	В.	125	
	C. 150	D.	175	
671)	<u></u>	Ρ.	1	D
,	A. Rearing and laying mortality	В.	Age at 50% egg production	
	C. Feed per dozen of eggs	D.	All of these	
672)	Objective for broiler breeding should be	Ρ.	THI OF these	D
-	A. Hen housed production	В.	Hen day production	
	C. Blood and meat spots	D.	None of these	
673)	Objective for ornamental birds			A
	A. Improve plumage color	В.	Egg production	
	C. Body weight	D.	Growth rate	
674)	Economic traits are known as			В
	A. Important traits	В.	Quantitative traits	
	C. Qualitative traits	D.	Permanant traits	
675)	Ability of quantitative characters to be transmitted from			A
	A. Heritability	В.	Heredity	
	C. Inheritance	D.	Genetics	$\dashv$
676)	Heritability value for chick livability is			A
	A. 05%	В.	07%	
	C. 09%	D.	11%	
677)	Heritability value for age at sexual maturity is			С
	A. 15%	B.	20%	
	C. 25%	D.	30%	
678)	Heritability percentage for adult body weight is	1		D
	A.   40	В.	45	
	C. 50	D.	55	
679)	Heritability percentage for egg production is:		I	С
	A. 10	В.	13	
	C. 15	D.	17	
680)	Heritability percentage for fertility is	1	1	A
-	A. 05	В.	10	
	C. 15	D.	20	
681)	Removal of moisture and heat is usually most important	nt to	o determine the	В
	A. Temperature	В.	Ventilation rate	
	C. Humidity	D.	All of the above	
682)	Ideal relative humidity in the brooder house is	•		В
	A. 55%	В.	65%	
	C. 75%	D.	85%	
683)	After receiving chicks, first of all flushing is required to	pro	ovide the energy source. For this purpose use	D
	A. 100 g Sugar/ gallon water	B.	150 g Sugar/ gallon water	
	C. 200 g Sugar/ gallon water	D.	250 g Sugar/ gallon water	
684)	Pure good quality ground maize should be given to chic	ks c		A
	A. Good source of energy and contain high fiber	В.	Good source of energy and contain low fiber	
	C. Poor source of energy and contain high fiber	D.	Poor source of energy and contain low fiber	
	<u> </u>	•		

685)	De-beaking is necessary to prevent cannibalism and is done at an age of					
	A. 5-10 days	В.	07-10 days			
	C. 15-20 days	D.	25-30 days			
686)	Cannibalism can cause mortality among the affected fl	ock	-	A		
	A.   30%	B.	40%			
	C. 50%	D.	60%			
687)	The term Cannibalism can be defined as eating a mem	ber		A		
	A. Same species	В.	Different Species			
	C. Species of different breeds	D.	None of the above			
688)	To reduce cannibalism problem, debeaking is done. De	ebea		A		
	A. 1/3 <sup>rd</sup> of the upper beak	В.	1/4 <sup>th</sup> of the upper beak			
	C. 1/5 <sup>th</sup> of the upper beak	D.	1/6 <sup>th</sup> of the upper beak.			
1	Birds are more prone to the diseases during		and appearance	A		
	A. Brooding	В.	Rearing			
	C. Laying	D.	All of the above			
690)	Debeaking should be done in coolest part of the day, sor	٧.		A		
070)	A. 80 °F	В.	90 °F	71		
	C. 100 °F	D.	110 °F			
691)	During incubation hatcher temperature is maintained a		110 1	A		
0,1)	A. 98.5 °F	T	98.5 °C			
	C. 99.5 °F	<u> </u>	99.5 °C			
692)	Evacuation of feces along with excess water and electr	olv		D		
	A. Omphalitus.	В.	Pullorum	D		
	C. Infectios coryza	D.	Diarrhea			
693)	Birds kept for production of hatching quality eggs to get	٧.		С		
073)	A. Broiler	В.	Layer	C		
	C. Breeder	D.	Non of all			
694)	For Hubbard breeders protein requirements ranges from	n		С		
	A. 15-16%	В.	16-17%	_		
	C. 17-18%	D.	19-20%			
695)	Metabolizable energy requirement of the Hubbard breed			A		
	A.   2750-2850 Kcal/ Kg	В.	2850-2950 Kcal/ Kg			
	C. 2950-3050 Kcal/ Kg	D.	3050-3150 Kcal/ Kg			
696)	Chickens kept for meat purpose to meet protein requirer		-	A		
· ·	A. Broiler	В.	Layer			
	C. Breeder	D.	All of the above			
697)	Dewclaw of all the chicks should be clipped at			A		
	A. First day	B.	Second day			
	C. Third day	D.	Fourth day			
698)	The process of removing the comb is called as	1	•	A		
	A. Dubbing	В.	Debeaking			
	C. Clipping	D.	All of the above			
699)	Normally all the cockerel should be dubbed at	<u>r.</u>	I I	A		
	A. First day	В.	Second day			
	C. Third day	D.	Fourth day			
			· ·· · · ·,			

700)	The most practical program for rearing broiler is			С			
	A. Brooding system	В.	Brood grow house				
	C. All in all out system	D.	None of all				
701)	Managemental factor which affect the performance of	chi	cks are	D			
	A. Temperature	В.	Sanitation				
	C. Ventilation and Humidity	D.	All of the above				
702)	Broiler have the inherited ability to grow faster and it be	ecor		В			
	A. 05 weeks	B.					
	C. 07 weeks	D.	008 weeks				
703)	Sulpha drugs can be used to prevent the early chick mo	orta	lity but it should not be used to prevent	A			
	A. Poisoning	В.	Pullorum				
	C. Omphalitus	D.	None of all				
704)	In case of broilers, one gallon water should be provide	d fo		В			
	A. 20-25 birds	В.	25-30 birds				
	C. 30-35 birds	D.	35-40 birds				
705)	The period in the life of the layer which follows the br	ood	•	A			
	A. Rearing	В.	, .				
	C. Molting	D.	All of the above				
706)	Housing system in which birds are moved only once at	t 10		В			
	A. Brood Grow house	В.	Grow Lay house				
	C. Brood Grow Lay House	D.	All of the above				
	The system in which birds are kept from one day of ag		, <u> </u>	С			
	A. Brood Grow house		Grow Lay house				
	C. Brood Grow Lay House	D.	All of the above				
708)	called as	d up	to 15-20% from 9 weeks to sexual maturity is	В			
	A. Qualitative restriction	В.	Quantitative restriction				
	C. Both A and B	D.	None of the above				
709)	For the satisfactory results, light threshold during the r	_		С			
	A. 07-08 hours	В.	08-10 hours				
	C. 10-11 hours	D.	11-12 hours				
	Light intensity during rearing period should be	_		A			
	A. ½ foot candle	В.	One foot candle				
	C. One and half foot candle	D.	Two foot candle	_			
	Heritability value for hatchability of fertile egg is	<u> </u>	100/	В			
	A. 05%	B.	10%				
	C. 15%	D.	20%				
ŕ	Heritability percentage for broiler live body weight at 6	we		С			
	A. 35	В.	40				
	C. 45	D.	50	_			
	Heritability percentage for total feed consumption in ca	_		D			
	A. 50	В.	60	1			
	C. 65	<u>D.</u>	70	В			
714) If off springs are better than parents in certain aspects is known as:							
	A. Heritability	В.	Nickability	1			
	C. Fertility	D.	Hatchability				
71.5	Performance of the off springs above their parents is k	-		С			

A.	Worth	B.	Health	
C.	Vigor	D.	Genetics	
716) Expr	ression of quantitative genes is effected by			D
A	Breeding	В.	Selection	
C. 1	Environment	D.	All of these	
717) Inc	reased selection within a given flock of birds so tha	tas	smaller segment of the flock population can be used	В
as t	breeder is known as			
A. 3	Mass selection	В.	Selection pressure	
C.	Progeny selection	D.	Individual selection	
718) Egg	g production and livability has			В
A. 1	Negative correlation	B.	Positive correlation	
C. 1	No correlation	D.	Equal correlation	
719)Body	y weight and egg production has			A
	Negative correlation	B.	Positive correlation	
C. 1	Equal correlation	D.	No correlation	
	w much role of environment is in the egg production	n		D
· —	70%	В.	75%	
C	80%	D.	85%	
	pulmonary respiration in a developing chicken emb			С
	5 <sup>th</sup> day of incubation	B.	10 <sup>th</sup> day of incubation	C
	15 <sup>th</sup> day of incubation	D.	20 <sup>th</sup> day of incubation	
	ping of shell by a chicken embryo starts on	υ.	20 day of medoation	C
	18 <sup>th</sup> day of incubation	B.	17 <sup>th</sup> day of incubation	C
	20 <sup>th</sup> day of incubation	D.	21 <sup>st</sup> day of incubation	
723) The	e hatching egg should be stored at a temperature of		, and the second	D
A	25 <sup>o</sup> F	B.	45 °F	
	65 °F	D.	85 °F	
	ring storage of hatching egg the relative humidity sl	10u		С
A	30%	В.	45%	
C.	60%	D.	75%	
725) In a	an incubator, setter temperature for chicken eggs sho	oulo	l be maintained at	A
A. !	99.5 °F	B.	99.5 °C 98.5 °F	
	98.5 °C			
	ng incubation of chicken eggs the relative humidity			D
	50%	B.	60%	
	70%	D.	84%	D.
	the best hatching results, thickness of eggshell should			D
	0.21 mm 0.30 mm	B. D.	0.27 mm 0.36 mm	
	k shell eggs have a shell thickness less than	υ.	0.30 IIIII	D
	0.45 mm	B.	0.39 mm	D
	0.33 mm	D.	0.27 mm	
	ong shell eggs have a shell thickness more than	<u> </u>		С
	0.24 mm	B.	0.33 mm	
	0.30 mm	D.	0.27 mm	
	cracked shell eggs have	•		D
	Low hatchability	B.	High hatchability	
C. 1	Medium hatchability	D.	None of these	
	effective litter management, super phosphate is use	ed a	t the rate of kg/1000 square feet	С

A	A. 15-20	В.	20-25	
C	C. 25-30	D.	30-35	
732) Γ	o control round worms use			A
A	A. Piperazine	B.	Rintol	
C	C. Systamax	D.	Wormol	
733)	is an example of vertically transmitted disease	•		D
A	A. Coccidiosis	В.	Marek's	
C	C. Trichomoniasis	D.	Leukosis	
734) M	Marek's disease occurs in the birds usually at the age of	•		С
	A. 4-6 week	B.	6-8 week	
C	C. 6-16 week	D.	after 16 weeks of age	
735) O	Oncorona C virus is a			A
A	A. RNA containing virus	B.	DNA containing virus	
C	C. lethal virus	D.	None of the above	
736)	Tumors in case of Marek's disease are usually found o	n	1	A
	A. Nerves, eyes and skin	B.	Bursa, liver and kidneys	
C	C. Liver, heart and neck	D.	All of above	
	umors in case of Lymphoid Leukosis disease are usual	lv f	ound on	В
	A. Nerves, eyes and skin	B.	Liver and spleen	
C	C. Heart and neck	D.	All of above	
738)	Lymphoid Leukosis disease occurs in the birds usually	at		D
· -	A. 4-6 week	B.	6-8 week	
C	C. 6-16 week	D.	After 16 weeks of age	
739)	Herpes virus is a		1	В
	A. RNA containing virus	B.	DNA containing virus	
<u> </u>	C. Lethal virus	D.	None of the above	
740) S	oft yellowish white tumors on caranium, long bones ar			A
	A. Myelocytomatosis	B.	Myeloid Leukosis	
C	C. Erythroid Leukosis	D.	Lymphoid Leukosis	
741)	Width of environment-controlled house may be increased.	Γ.		В
_	A. 40 Feet		50 Feet	
C	C. 100 Feet	D	200 Feet	
742)	Evaporative cooling system is employed when air temp	۲.		С
· · · ·	A. 20 °F	B.	40°F	$\exists$
(	2. 80°F	D.	90 °F	
7/3) E	vaporative cooling system is employed when relative h			D
_	$\Lambda$ . 20 %	B.	40 %	
<u> </u>	C. 60 %	Ь.	80 %	
744) 4	xir speed in environment-controlled house for better pro	odu.		A
_	A. 350-400 m/sec.	B.	600-900 m/sec.	- A
	C. 1000-1200 m/sec	D.	1500-2000 m/sec	
745)0				Α
_	deflective paint on the roof can led to reduce the inside		• •	A
A	A. 08 °C	B.	12 °C	
C	C. 20 °C	D.	25 °C	
_	Sprinkling water on the roof can reduce temperature in A. 01 °C	side B.	•	В

	C. 15 °C	D. 2	20 °C	
747)	The R-value of ceiling in the area of cold climate sh	ould be		A
	A. 14	B. 2	24	
	C. 34	D. 4	44	
748)	The R-value of walls in the area of cold climate sho	uld be		В
	A. 05	B. 1	10	
	C. 20	D. 4	40	
749)	In the deep litter housing system floor of the shed is	covered v	with the litter up to	A
	A. 10 inches	B. 2	20 inches	
	C. 30 inches	D. 4	40 inches	
750)	Layers during production period are given mash fe	ed whose	e number is	A
	A. 03	<b>B</b> . 0	04	
	C. 13	D. 2	23	



## University of Agriculture, Faisalabad Question Bank for Animal Sciences for Admission to MS/M.Phil/M.Sc.(Hons)/Ph.D Program

ANI	MAL NUTRITION MO	CQ's		Answer Key
(51)	is a primary nutrient			
A.	Water	В.	Vitamin	D
C.	Minerals	D.	Fat	
(52) In	organic part of the diet;			
A.	Carbohydrates	B.	Proteins	D
C.	Fats	D.	Minerals	
(53) A	Feed that is common to all groups of an	experiment;		
A.	Basal feed	B.	Balanced feed	A
C.	Complete feed	D.	Both Balanced feed & Complete feed	
(54) W	Thich of the following is the set of micro	minerals	•	
A.	Fe, Cu, Mn, Zn, Se,		Ca, P, Cl, Na,	A
C.	Cu, P, Mn, Na		Fe, P, Cl, Mg	
(55) _	is not the example of			
A.	Acetic acid	B.		C
C.	Palmitic acid	D.	*	
(56)	parts of water for each part of fe			
A.	Two	B.		A
C	Four	D.	Five	
57)	is an organic secondary nutrient	р.	1170	
A.	Carbohydrates	В.	Fat	D
C.	Protein	D.	Vitamin	
58) ei	nzyme, majorly present in the saliva of t		Vitaiiiii	
A.	Protease		Lipase	D
C.	Sucrase	D.	Amylase	
50) Fe	eed is temporarily stored in the bird's	٠.	Amylase	
A.	Mouth	В.	Proventriculus	
A.	Crop	D.	Gizzard	
60)	is the unit used to express the ene		Gizzaiu	
	ME		BV	
A.	NPR	<u>В.</u> D.	NPU	В
(1) W		P -		
			ments, called as nutrient balance	
A.	Positive		Negative	В
C.	Equilibrium	D.	None of them	
(62)	is related to the value of prote			
A.	Nutritive Value	В.	Oxidation value	A
C.	Biological value	D.	Both Nutritive Value & Biological value	
	form of feed in which all ingredients ar			
A.	Pellet		Mash	A
C.	Crumble		Kibbles	
(64)	% of water is present in the chicke			
A.	55	В.	65	C
C.	75	D.	85	

765)	2-9 units of monosaccharaides are present in						
1 · · · ·	A. Disaccharides	В.	Tri-saccharides	С			
•	C. Oligosaccharides	D.	Polysaccharides				
766)	Amount of heat of a material when it is completely oxi	idiz					
1	A. Digestible	B.		D			
•	C. Net	D.					
767)	Sucrose molecule is made up fromunits						
	A. Two glucose	B.	Two fructose	D			
-	C. Two galactose	D.					
	Feed which is rich in total digestible nutrients (more th						
1	A. Forage	_	Concentrate	В			
-	C. Roughages	D.					
769)	Some enzymes have non-protein part of the enzyme, k						
	A. Co-enzyme		Co-factor	В			
-	C. Prosthetic group		Both Co-enzyme & Co-factor				
770)	The fate of dietary components after digestion and abs						
l ' h	A. Intermediary metabolism	В.	Anabolism	A			
	C. Catabolism	D.		11			
771)	Break down of energy rich compounds into organic ac						
· •	A. Digestion	_	Hydrolysis	D			
•	C. Metabolism	D.	Fermentation	D			
772)	Which of the followings is a feed formulation software	г.	rementation				
			MC 14	D			
	A. Brill	B. D.	Mix-it	D			
770)	C. Winfeed	υ.	All of these				
	is the end product of protein in poultry birds						
-	A. Glucose	B.	Amino acids	В			
77.4	C. Fructose	D.	Both Amino acids & Fructose				
T T	nutrient has 2.25% more energy than others	_	l n .	~			
-	A. Carbohydrates	В.	Protein	С			
	C. Fat	D.	Minerals				
775)	Minerals that are mainly involved in skeleton formation						
-	A. Ca, P & Se	В.	Ca, P & I	С			
	C. Ca, P & Mg	D.	Ca, Mg & S				
´ F	Continuously evaporation and condensation of organic	_					
	A. CP	B.	EE	В			
	C. CF	D.	NFE				
777)	Which of the following does not need any chemical re-						
	A. NFE	B.	Crude ash	D			
	C. Moisture	D.	All of these				
778)	The internal temperature of oven for the determination	of					
	A. 100	B.	150	C			
	C. 105	D.	205				
779)	Distillation needs in the determination of cr	ude	protein				
Ī	A. Sodium hydroxide	В.	Potassium hydroxide	A			
	C. Ammonium hydroxide	D.	Calcium hydroxide				
780)	is present in larger amount than other parts of dig	esti	on mixture				
	A. Sulfuric acid	B.	Copper sulfate	C			
•	C. Potassium sulfate	D.	Iron sulfate				
781)	1	1	1				
´ F	A. It is used to lower down the temperature of the	В.	It is used to avoid the moisture contamination from	D			
	heated sample		the surrounding				
	<u>r</u>	1	<u> </u>				

	C. It provides moisture free place to cool down the sample	D.	All of these	
782)	We can find the percentage of organic matter with the l	heli	n of	
702)		B.	Ash determination	В
	C. CP determination	D.	NFE	Б
783)	We assumed that all protein present in the sample conta			
163)	A. 6.25	B.	2.25	С
	C. 16	D.	0.0014	C
784)				
704)		B.	Digestion	С
	C. Titration	D.	Dehydration Dehydration	C
795)	Phenolphthalein has color in the solution l		, and the second	
103)	•	B.	Pink	В
		D.		Б
796)			Light brown	
	How much NaOH do you need to make 1 L of 1 M NaO	L		0
		В.	30	С
707)		D.	50	
787)	Term Gram Equivalent Weight is associated with	_	_ type of solutions	
		В.		A
	0.   2.000.00	D.	Molal	
788)	Which of the following chemical will have similar amo	un		
	A. Sulfuric acid	В.	Hydrochloric acid	D
	-	D.	Both HCl and NaOH	
789)	<u> </u>	e o		
		B.	Erlenmeyer flask	С
		D.		
790)	metabolic pathway mainly concern wi	th 1	the formation of NADPH	
	1 2	B.	Glycolysis	A
			Gluconeogenesis	
791)	is responsible for the synthesis of linear sequ	ıen	ce of glucose molecules in the formation of glycogen	
	A. Glycogen synthase	B.	Glucosyl 4 6 transferase	A
	C. Gluco kinase	D.	UDP glucose pyrophosphorylase	
792)	The process of formation of glycogen from carbohydra	te s	sources is known as	
	A. Glycogenesis	B.	Gluconeogenesis	Α
		D.		
793)	makes most of the stored energy in the anir	nal	body	
	A. Fats	B.	Protein	A
	C. Glycogen	D.	Starch	
794)	, <u>, , , , , , , , , , , , , , , , , , </u>			
,		B.	Fermentation	С
		D.	Both glycolysis and beta oxidation	
795)	Right sequence of four steps of the beta oxidation			
,,,,,		В.	Oxidation then dehydration then oxidation then	
	thiolytic cleavage	·	thiolytic cleavage	D
		D.	Oxidation then hydration then oxidation then	_
	thiolytic cleavage	<u> </u>	thiolytic cleavage	
796)		or	a fatty acid having 20 C chain length	
		B.	8	С
		D.	10	
707)	Number of ATP molecules utilized for the beta oxidation			
		оп ( В.	·	A
	Δ.   Δ	υ.	J	

	C.   8	D.	7			
798)	The percentage of protein equivalent for the urea is ab	out	'			
,,,,,	A.   112	В.	220	- C		
	C. 280	D.	225			
799)	Ketoacids for microbial protein synthesis comes from					
,,,,	A. Carbohydrates	B.	proteins	- A		
	C. Fats	D.	Urea			
800)	What is the correct condition for ketogenesis	ν.	Cicu			
000)	A. When oxaloacetate is diverted for	B.	TCA cycle cannot function optimally			
	gluconeogenesis	Γ.	1 of the calmet ranction optimizing	D		
	C. When body does not have enough carbohydrates	D.	All of these			
	to burn for energy	Γ.	This of these			
801)	For dry ashinglaboratory equipment is used					
001)	A. Kjeldahl apparatus	B.	Soxhlet apparatus	- C		
	C. Muffle furnace	D.	Hot air oven	$\dashv$		
802)	After doing wet ashing we made ml volume of					
002)	A.   100	В.	200	- A		
	C. 300	D.	400	- '		
803)	If 5 ml of sample solution contain 0.875 mg vitamin C					
003)	A. 1.75	B.		В		
	C. 175	D.	157	⊢ ້		
804)	For elemental mineral analysis which of the following					
00+)	A. Spectrophotometer	B.	Amino acid analyzer	$\dashv$ A		
	C. Gas chromatography		HPLC			
905)						
803)	O5) For wet ashing sample is treated with andacids  A. Nitric acid and perchloric B. Perchloric and phosphoric acid					
	C. Sulfuric and perchloric	D.	Nitric and phosphoric	A		
806)	^		nergy into electrical energy			
800)	A. Photocell		Galvanometer	A		
	C. Filters specific to minerals like Na or K	<u>В.</u>	None of them	- A		
807)		ρ.	None of them			
		В.	Sulfur	В		
	A. Cobalt C. Zinc	D.		— В		
000)		<u>ν.</u>	Copper			
		_	stomach HCL	٠,		
		_	None of them	A		
800)	C.   Pepsinogen   Iron and are mutually involved in the formation of					
009)			ĕ			
	A. Copper C. Calcium	B.		A		
010		D.	Chromium			
· ·	Big head disease in horses is due to the toxicity of	ь	Manganaga			
	A. Zinc		Manganese	C		
011)	C. I odine	D.				
811)		_	unavailable to the body			
	A. Phytate complex	_	Dietary protein	A		
012	C. Undigested material	υ.	None of them			
,	Thiamin is also known as	<u> </u>	A(:,,,(:,-			
	A. Antiberiberi	В.	Antineuretic	D		
	C. Antipolyneuritis	D.	None of them			
813)	· · · · · · · · · · · · · · · · · · ·					
	A. B <sub>1</sub>		B <sub>2</sub>	D		
	C.   B <sub>3</sub>	D.	$B_5$			

014)	XX71a	ich vitamin plav a role in DDCs formation			
		nich vitamin play a role in RBCs formation	Ь	Distin	
4	A.	Pyridoxine	B. D.	Biotin	C
015)	Dal	Cyanocoblamine	υ.	Niacin	
		lagra is caused due to the deficiency of	Ь	Ch. P.	
	A.	Niacin	B.	Choline	A
	C.	Biotin	D.	Thiamin	
		trient requirements to carry on essential functions, s	such	as body metabolism and temperature and	
-	_	lacement of body cells and tissue is known as	Ь		В
4	A.	Growth requirements		Maintenance requirements	
017)		Production requirements	D.	T T T T T T T T T T T T T T T T T T T	
		ich mineral has interrelationship with vitamin E reg	_		
<u> </u>	A.	Calcium	B.	Sulfur	D
	<u>C.</u>	Silicone	D.	Selenium	
´  =		amin contain four percent cobalt in its struc			
4	A.	Cyanocobalamin	B.	Niacin	A
(		Pantothenic acid	D.	Thiamin	
819)	Fee	eds that have low digestible nutrients and high fiber	cor		
4	A.	Concentrates	B.	Roughages	В
(	C.	Crumbles	D.	Mash	
820)	Wh	ich nutrient has heat insulating function in the body	/?		
4	A.	Fats	B.	Carbohydrates	A
(	C.	Proteins	D.	none of them	
821)	Coı	rn has approximately percent of crude protein			
	A.	16	B.	9	В
(	C.	40	D.	35	
822)	Sila	age is also known as			
	A.	Pickled fodder	B.	Preserved fodder	D
(	C.	Fermented fodder	D.	All	
823)	·	is the supplemental source of Ca and P i	n th	te diet of animals	
´  -	A.	Corn	B.	DCP	В
<u> </u>	C.	Oil	D.	Molasses	
		e stomach of ruminants digestive system is			
·	A.	Rumen	B.	Reticulum	D
ĺ	<u>C</u>	Omasum	D.	Abomasum	$\dashv$
825)	The	e major end product of fermentation in dairy cattle i		Tioniusum	
023)	A	Glucose	B.	VFAs	В
ĺ	C .	Amino acids	D.	Glycerol	$\dashv$
826)	Niii	trients, which an animal can synthesize for growth a		· ·	
	A.	Non-essential nutrients	B.	Essential nutrients	A
Í	<u>г</u> .	Indispensable	D.	None of them	
827)	Cor	ntribution of feed in total cost of production in broil			
· -		30	B.	50	-
H	A.	70	D.	90	$\dashv$
920)	ر. ۲۰۰۰			70	
828)	SITI	uctural carbohydrates are main source of energy for		Duminanta	
	A.	Non-ruminants	B.	Ruminants	В
000	<u> </u>	Pseudo ruminants	D.	Mono gastric	
		ological fuel values for protein is about	<u></u>	_ kcal/g	
4	A.	1	B.	2	D
0.5.5	Ľ. ]	3	D.	4	
· -		amin that is not stored in the body and need to be co			В
1	A.	Vitamin A	B.	Vitamin B	

C. Vitamin D Organic compounds, which are the building blocks in the formation of proteins, are:  A. Glycerol C. Amino acids D. Monosaccharaides  832) Wheat bran and animal fat are feed concentrates that are classified as:  A. Protein concentrates B. Crop by-products C. Processing by-products D. Supplements  833) Which protein concentrate is limited to use by ruminants? A. Urea B. SBM A. C. SFM D. CSM  834) Minerals that have role in Protein synthesis in the body is/are A. Zn B. D. All above  835) Which nutrient is the condensed source of energy in the body? A. Fats C. Proteins D. Ione of them  836) Feed allowance given to the animal during 24 hours, contains all nutrients, is called as; A. Complete feed B. Basal feed C. Nutrient D. Diet  837) Which of the following is a fat soluble vitamin? A. Thiamin C. Niacin D. Tocopherol  838) Livestock converts useless feeds such as into useful products for human A. Eggs B. Meat C. Calving & Lambing B. Weaning B. Weaning B. Weaning B. Weaning C. Calving & Lambing D. Kidding  840) Which of the following is a macro mineral? A. Calcium D. Cobalt  841) In the feeding of lactating animals the thumb rule is 1 litter milk production needsKg concentrates to the animal
A. Glycerol C. Amino acids D. Monosaccharaides  832) Wheat bran and animal fat are feed concentrates that are classified as: A. Protein concentrates B. Crop by-products C. Processing by-products D. Supplements  833) Which protein concentrate is limited to use by ruminants? A. Urea B. SBM C. SFM D. CSM  834) Minerals that have role in Protein synthesis in the body is/are A. Zn B. P C. S D. All above  835) Which nutrient is the condensed source of energy in the body? A. Fats B. Carbohydrates C. Proteins D. none of them  836) Feed allowance given to the animal during 24 hours, contains all nutrients, is called as; A. Complete feed B. Basal feed C. Nutrient D. Diet  837) Which of the following is a fat soluble vitamin? A. Thiamin B. Riboflavin C. Niacin D. Tocopherol  838) Livestock converts useless feeds such as in to useful products for human A. Eggs B. Meat C. Roughages  840) Condition when young one is no longer fed milk A. Shearing B. Weaning C. Calving & Lambing B. Weaning C. Iron D. Cobalt  841) In the feeding of lactating animals the thumb rule is 1 litter milk production needsKg concentrates to the
C. Amino acids  D. Monosaccharaides  A. Protein concentrates B. Crop by-products C. Processing by-products D. Supplements  Say Which protein concentrate is limited to use by ruminants?  A. Urea B. SBM A C. SFM D. CSM  Say Minerals that have role in Protein synthesis in the body is/are A. Zn B. P C. S D. All above  Says Which nutrient is the condensed source of energy in the body? A. Fats C. Proteins D. none of them  Say Minerals that have role in Protein synthesis in the body? A. Fats C. Proteins D. none of them  Says Which nutrient is the condensed source of energy in the body? A. Fats C. Proteins D. none of them  Says Which of the following is a fat soluble vitamin? A. Thiamin C. Nutrient D. Diet  Says Which of the following is a fat soluble vitamin? A. Eggs B. Meat C. Milk D. Roughages  Says Condition when young one is no longer fed milk A. Shearing C. Calving & Lambing D. Kidding  B. Zinc C. Iron D. Cobalt  B. Jinc C. Jobalt  B. Jinc C. Jobalt  B. Jinc C. Jobalt  B. Jinc C. Jobalt  D. Cobalt  D. Locobalt  A. Calcium D. Cobalt  B. Jinc Locopherol  Says Lives ock converts useless feeds such as Jinc useful production needs Kg concentrates to the
Sample   Wheat bran and animal fat are feed concentrates that are classified as:   A.   Protein concentrates   B.   Crop by-products   C.   Processing by-products   D.   Supplements   Supplements   C.   Supplements   Supplements   C.   SFM   D.   CSM   D.   CSM   C.   SFM   D.   CSM   D.   C.   S   D.   All above   C.   S   D.   All above   C.   S   D.   All above   C.   Proteins   D.   none of them   D.   Diet   C.   Proteins   D.   none of them   D.   Diet   D.   D.   D.   D.   D.   D.   D.   D
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R33   Which protein concentrate is limited to use by ruminants?   A. Urea   B. SBM   C. SFM   D. CSM
A.   Urea   B.   SBM   D.   CSM
C.   SFM
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C. Calving & Lambing  B40) Which of the following is a macro mineral?  A. Calcium  B. Zinc  C. Iron  D. Cobalt  841) In the feeding of lactating animals the thumb rule is 1 litter milk production needs Kg concentrates to the
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841) In the feeding of lactating animals the thumb rule is 1 litter milk production needs Kg concentrates to the
animal
R .
A.   1   B.   2
C. 3 D. 4
842) True stomach of ruminants digestive system is
A. Rumen B. Reticulum D
C. Omasum  D. Abomasum
843) Gizzard is used as the mechanical digestion of feed in
A. Chicken B. Cattle A
C. Horse D. Goat
844) The major end product of fermentation in cattle is
A. Glucose  B. VFAs  B
C. Amino acids  D. Minerals
845) How can you classify the Mulberry  A Concentrates then Francy Concentrates then B Roychages then Green Roychages then Tree leaves
A. Concentrates then Energy Concentrates then  B. Roughages then Green Roughages then Tree leaves  B. Roughages then Green Roughages then Tree leaves
Agroindustrial byproducts
C. Roughages then Green Roughages then Silage D. Concentrates then Protein Concentrates
846) Example of monogastric animals is
A. Broiler B. Layer D
C. Broiler breeder D. All of them

847)	Break down of larger feed particles into smaller partic	les	with the help of enzymes is known as	
• • • •	A. Absorption	B.	Ingestion	C
	C. Digestion	D.	None of them	
848)	How well an animal likes or accepts a feed is referred			
/	A. Digestibility	B.	Palatability	В
	C. Absorbability	D.	Rumination	
849)	The total protein contained in a feed is termed as			
",	A. Digestible protein	В.	True protein	C
	C. Crude protein	D.	NPN	
850)	Biological fuel values for protein is about	ν.	_ kcal/g	
050)	A. 1	В.	4	D
	C. 7	D.	9	
851)	pH of saliva is	ν.		
031)	A. 2-3	В.	5.5-6	C
	C. 8.1-8.5	<u>р.</u> D.	9-10	
852)	Which of the following is not a protease	υ.	9-10	
052)		В.	Trypsin	D
	A. Pepsin C. Carboxypeptidase	D.	Ptylin	$\dashv$
052)	Trypsingen converted into trypsin in presence of?	ν.	r tynn	
833)	<u> </u>	Ь	Duman	— <sub>Б</sub>
	A. HCl C. Both	B. D.	Rumen	D
054		υ.	None of above	
854)	Testosterone is secreted by?	Ь.		
	A. Testes	В.	Ovary	A
	C. Placenta	D.	Kidney	
855)	Water regulation hormone is?	_		
	A. STH	B.	ACTH	D
	C. LH	D.	ADH	
856)	Egg white injury is prevented by nutrient			
	A. Folacin	B.	Choline	D
	C. Inositol	D.	Biotin	
857)	Polyneuritis is due to deficiency of?			
	A. Thiamin	B.	Riboflavin	A
	C. Niacin	D.	Tocopherol	
858)	Sailor disease is due to deficiency of?			
	A. Vitamin A	В.	Vitamin B	C
	C. Vitamin C	D.	Vitamin D	
859)	After burning the animal and plant tissues rei	mai	ned	
	A. Carbs	B.	Protein	D
	C. Vitamins	D.	Minerals	
860)	Fats produce times more energy than other nutr	ient		
ĺ ,	A. 2	B.	2.25	В
	C. 2.5	D.	2.75	
861)	Which of the following ingredient contain more protei			
/	A. SBM	В.	SFM	A
	C. CG30	D.	CSM	
862)				
302)	A. Concentrates	В.	Roughages	A
	C. Additives	D.	Molasses	
862)	According to the nutrient demand growth and fattening			
003)	.   -	g ar B.	High	
	A. Low C. Medium	D.	•	-
	C. Medium	ν.	v aliable	

A. Fat B. Muscles C. Udders D. I. All of these C. Udders D. I. All of these A. Consume more feed irrespective of percent of body weight in comparison of older animals Consume more feed irrespective of percent of body weight in comparison of older animals Consume more feed irrespective of percent of body weight in comparison of older animals C. Form relatively less muscle tissue, which has a maintenance and can be caused to the care and the car	864)	Comm	nercially more valuable parts of the animals are			
C.   Udders   D.   All of these			• •	R	Muscles	D
A						-
A. Consume more feed irrespective of percent of body weight C. Form relatively less muscle tissue, which has a more caloric value than fat  866)  — is an antioxidant working inside the animals body and it is prepared synthetically A. Vitamin E B. Sodium propionate C. Ethoxyquin D. Vitamin C  877)  Non structural carbohydrates are not digested by the poultry birds and is the example of non structural carbohydrates B. Lignin A. A. Betglicans B. Lignin A. A. Antifungal B. Lignin A. A. Antifungal B. Lignin B. Sodium propionate C. Cellulose and lignin B. Lignin A. A. Antifungal B. Lignin B. Lignin B. Lignin B. Lignin A. A. Antifungal C. Pellet binders D. Enzymes  878 B. Ethoxyquin D. Enzymes  879 B. Estrogen compounds are used to increase the growth rate and fat deposition on careass and is an example of these compounds A. DEES B. Ethoxyquin D. Enzymes  870 B. Estrogen compounds are used to increase the growth rate and fat deposition on careass and is an example of these compounds A. DEES B. Ethoxyquin D. Substances has role in repartitioning of nutrients from fat to protein synthesis A. Beta adrenergic agents B. Alkalizing agents A. Saponins B. Zeolites A. Saponins B. Zeolites A. Saponins B. Zeolites A. Saponins B. Zeolites A. Englobins D. C. Cimaterol D. C. Cimaterol D. C. Cimaterol D. C. Cimaterol D. C. Directory protein is not insoluble in the distilled water A. Englobins D. Derived proteins B. Poeudo glubins B. Poeudo glubins B. Poeudo glubins B. C. Derived proteins B. Proteins A. Intermediates of Krebs cycle B. Intermediated of electron transport chain C. C. Director is metabolized into A. Intermediates of Krebs cycle B. Intermediated of electron transport chain C. C. Director is metabolized into A. Complete feed B. Total mixer articlation A. Complete feed B. Total mixer articlation C. C. Directory minus urinary and gaseous energy D. J. Alpha ketoglutarate D. A. Ged supplements D. Growth promoters D. Growth promoters	965)					
C   Form relatively less muscle tissue, which has a   D   All	803)					
C. Form relatively less muscle tissue, which has a D. All  866)		$\Delta$	* *	B.	• •	D
C   more caloric value than fat			<u>,                                     </u>		manitenance	- Б
Secondary   Seco				D.	All	
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C.   Pellet binders   D.   Enzymes			•	R	Ionophores	R
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C. Thyroactive substances  D. DES  871)  is very useful for cardiac patients  A. Saponins  C. Cimaterol  D. Clenbuterol  Protein is not insoluble in the distilled water  A. Euglobins  C. Derived proteins  D. All  873)  Amino acid catabolism is more likely to occur when  A. Glucose  C. Fats  D. Urea  874)  Cephalin is related to  A. Non glycerol based lipids  C. Glycolipids  D. Waxes  875)  876  A Intermediates of Krebs cycle  C. Dihydroxy acetone  D. Alpha ketoglutarate  876)  A feed that provides all the nutrients in a proper portion as required by an animal body is called  C. Balanced feed  D. Total mix ration  877)  Metabolizable energy of a feed is equal to its  A. Gross energy minus gecal energy  C. Fecal energy minus urinary and gaseous energy  D. Gross energy minus urinary energy  C. Ionophores  B. Feed additives  C. Ionophores  D. Growth promoters			, <u> </u>			_
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preserve feeds are called  A. feed supplements  B. Feed additives  C. Ionophores  D. Growth promoters						
A. feed supplements B. Feed additives C. Ionophores D. Growth promoters	878)			icie	ncy of gain of animals, prevent certain diseases, or	
<ul><li>A. feed supplements</li><li>B. Feed additives</li><li>C. Ionophores</li><li>D. Growth promoters</li></ul>		preser	ve feeds are called			D
			* *			"
879) In ruminants, defaunation refers to				D.	Growth promoters	
· · · · · · · · · · · · · · · · · · ·	879)	In run	ninants, defaunation refers to			В

	A.	Removal of bacteria	B.	Removal of protozoa	
	C.	Removal of bacteriophage	D.	Removal of fungi	
880)	Cel	lulose is basically polymer of glucose linked through			
	A.	α,1-4 linkage		ß, 1-4 linkage	В
		α,1-6 linkage		ß, 1-6 linkage	
881)		ide fibers contain followings		,	
	A.	Lignin and cellulose	В.	Lignin, cellulose and hemicellulose	A
	C.	Lignin, cellulose, hemicellulose and starch		Monosaccharides, disaccharides, and polysaccharides	
882)		in indigestible both in ruminant			
	Α.	Cellulose		Lignin	В
	C.	Hemicellulose	D.		
883)	Lac	ctose is a disaccharide of		1,000,000	
· ·	A.	Glucose+fructose	В.	Glucose+ glucose	С
	C.	Glucose+ galactose	D.	č	_
884)	-		٠.	Curactose   garactose	
00.7	Gre	een leguminous fodder contains			A
	A.	Saponins	B.	; ;	A
	C.	Trypsin inhibitor	D.	Glycosinolates	
885)	For	mation of glucose from protein is			
	A.	Gluconeogenesis		Glyconeolysis	A
	C.	Glycoenesis	D.	Glycolysis	
886)	Silo	o filler's disease is due to inhalation of oxides of			
	A.	Nitrogen	B.	Sulphur	A
	C.	Phosphorus	D.	Magnesium	
887)	Du	ring milk fever the body temperature of animal			
		Rises to above 105°C		Becomes subnormal	В
		Has no relationship with the disease	D.	,	
888)	Sig	ns include stiff gait, tremors, tetany, constipation, a	nd o	decreased rumen contractions	
	A.	Hypomagnesemia	В.	White Muscle Disease	C
	C.	Hypocalcemia	D.	Copper Toxicosis	
889)	Exa	ample of Succulent feeds			
	A.	Hay	B.	Silage	D
	C.	Tapoica Roots	D.	Both Silage and Tapocia roots	
890)	Ma	in source of energy in the body ruminant animals is			
	A.	Glucose	B.	Glucose, fructose and galactose	C
	C.	Volatile fatty acids	D.	Amino acids and all fatty acids	
891)		is the muscular wave of contraction	s th	nat squeezes a bolus into the stomach	
	A.	Peristalsis	B.	Psoriasis	A
	C.	Substrate feeding	D.	Conjunctivitis	
892)		VFA act as precursor of glucose in rumin	ant	S	
	A.	Acetate	B.	Butyrate	C
	C.	Propionate	D.	All the above	
893)	VF	A act as precursor of milk fat in ruminants			
	A.	Acetate	B.	Butyrate	A
	C.	Propionate	D.	All the above	
894)	If a	sample of feed contains 10% Nitrogen, its crude pr	ote		
	A.	62.5%	B.	•	A
	C.	10%	D.		
895)	Abs	sorption of amino acids in ruminant animals takes p			
	Α.	In the rumen	B.		D
	C.	In the abomasum	D.		
896)	Imr	mediately after fat absorption, monoglycerides move			A
-,		monogly corrections			

C.   Villi   D.   C.   Chylomicron		A.	Lymph vessels	B.	Blood vessels			
SP71   The fats absorbed from the gut are transported to the blood in the form of A. I.Josomes B. I. Chemomicrons B. C. Chylomicrons B. C. Chylomicrons B. D. Micelles B. The measure of total energy present in a feed is called A. Gross energy B. D. Net energy B. D. D. B. D. D. D. Net energy B. D. Net energy B. D. Net energy B. D. D. Net energy B. D. D. Net energy B. D. D. D. D. Net energy B. D. Net energy B. D. D. Net energy B. D. D. D. D. Net energy B. D. Net energy B. D. D. Net energy B. D. D. D. D. Net energy B. D. Net energy B. D. D. Net en	1 .		* *	D.	Chylomicron	_		
A.   Liposomes   B. Chenomicrons   C.								
C. Chylomicrons   D. Micelles	1		· ·			С		
S98)   The measure of total energy present in a feed is called   A.   Gross energy   B.   Digestible energy   D.   Net			<u> </u>	D.		_		
A. Gross energy B. Digestible energy D. Net energy  899 Brix value is the measure of A. Bitterness B. Sweetness C. C. Sugar contents D. None of above  900 Which one is sulpher containing amino acid A. Iysine B. Tryptophan D. Methonine  901 Amino acid which does not participate in transamination reactions A. Lysine B. Valume A. A. C. Tryptophan D. None of these  902 Which one is correctly matched? A. Ivsine B. Vitamin B-Calciferol C. Tryptophan D. None of these  903 Which one is correctly matched? A. Vitamin D-Riboflavin B. Vitamin B-Calciferol C. Vitamin E-Tocopherol D. Vitamin A-Thyamine  904 Which fat soluble vitamin also acts as hormones A. A. Anti-coagulant B. D. Rome of these  905 Which fat soluble vitamin also acts as hormones A. A. Anti-coagulant B. Hormones A. C. Calcium binding factor D. None of these  905 Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis A. Niacin B. Sizine A. Niacin B. Jinch B. WBC C. B. Complex D. Vitamin C. C. Calcium binding factor D. None of these  906 Cyanocobalamine is essential for the formation of A. Lymph B. WBC C. Rocomalaciie of the formation of A. Lymph B. WBC C. Rocomalaciie of the formation of A. Lymph B. WBC C. Scurry D. Manganese  907 The intake of calciferol is known to prevent A. Ostocomalacia B. pellagra C. scurry D. Manganese  908 Which of the following trace element is significant for maintenance of teeth A. True digestibility B. apparent digestibility A. Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility A. C. Corbory and the endogenous compounds of feces during digestibility and D. Proteins, lipids, carbohydrates, proteins B. C. Colon D. Duodenum  910 During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, proteins, lipids D. C. Colon D. Duodenum  911 Brunner's glands are found in B. Bilitubin and biliverdin C. Bilitubin and baliverdin D. Doudenum	898)							
C.   Metabolizable energy   D.   Net energy				B.	Digestible energy	Α		
Brix value is the measure of A				D.	<u> </u>			
C.   Sugar contents   D.   None of above	899)				<i>C</i> 3			
Which one is sulpher containing amino acid   B.   Tryptophan   D		A.	Bitterness	B.	Sweetness	С		
Which one is sulpher containing amino acid   A.   Iysine   B.   Tryptophan   D.   Methionine		C.	Sugar contents	D.	None of above			
A.   Iysine   B.   Tryptophan   D.   Methonine	900)							
C.   Threonine   D.   Methionine				B.	Tryptophan	D		
Amino acid which does not participate in transamination reactions   A. Lysine   B. Valine   A. C. Typtophan   D. None of these   Poz. Valinin B-Calciferol   C. Typtophan   D. None of these   C. Typtophan   D. None of these   Poz. Valinin B-Calciferol   C. C. Vitamin B-Calciferol   D. Vitamin B-Calciferol   C. C. Vitamin B-Calciferol   D. Vitamin B-Calciferol   C. C. Vitamin B-Calciferol   D. Vitamin B-Calciferol   D. Vitamin B-Calciferol   C. C. Vitamin B-Calciferol   D. Vitamin B-Calciferol   B. D. C. E. B. D. D. K.   D. Vitamin B-Calciferol   D. Vitamin B-B. B. B			•	D.				
A. Lysine B. Valine C. Tryptophan D. None of these  902) Which one is correctly matched? A. Vitamin D-Riboflavin B. Vitamin B-Calciferol C. Vitamin E-Tocopherol D. Vitamin A-Thyamine  903) Which fat soluble vitamin also acts as hormones A. A B. D. B. C. E. D. K.  904) Vitamin K acts as A. Anti-coagulant B. Hormones A. Anti-coagulant B. Hormones A. Nati-coagulant B. Hormones A. Naticin D. None of these C. Calcium binding factor D. None of these A. Niacin B. Zinc A. Niacin A. Niacin B. Zinc A. Niacin B. Zinc A. Niacin B. Zinc A. Lymph B. WBC C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A. Pluoride B. Zinc A. True digestibility B. apparent digestibility estimation is called A. True digestibility B. apparent digestibility estimation is called A. True digestibility B. apparent digestibility A. A. Carbohydrates, fats, proteins B. Flucum D. Proteins, lipids, carbohydrates Plum Brunner's glands are found in A. Stomach B. Ileum D. C. Colon D. Duodenum  902) Which ones are bite salts Plum B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate	901)	Am	ino acid which does not participate in transamination					
C. Tryptophan D. None of these  Which one is correctly matched? A. Vitamin B-Riboflavin B. Vitamin B-Calciferol C. Vitamin E-Tocopherol D. Vitamin B-Calciferol D. Vitamin E-Tocopherol D. Vitamin A-Thyamine  Which fat soluble vitamin also acts as hormones A. A B. D B. D K  904) Vitamin K acts as A. Anti-coagulant B. Hormones A. Anti-coagulant B. Hormones D. None of these  905) Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis A. Niacin B. Zinc A  A. Niacin B. Zinc A  C. B complex D. Vitamin C  906) Cyanocobalamine is essential for the formation of A. Lymph B. WBC C. RBC D. Platelets  907) The intake of calciferol is known to prevent  A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A  A Fluoride B. Zinc A  C. copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility A  A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins A  C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  Plum Brunner's glands are found in A. Stomach B. Ileum D. C. Colon D. Duodenum  Plum Brunner's glands are found in B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate	1		<u> </u>	_		Α		
Which one is correctly matched?						_		
A. Vitamin D-Riboflavin B. Vitamin B-Calciferol C. Vitamin E-Tocopherol D. Vitamin A-Thyamine  903) Which fat soluble vitamin also acts as hormones A. A. A. B. D. B. D. K.  904) Vitamin K acts as A. Anti-coagulant B. Hormones A. Anti-coagulant B. Hormones A. Miacin B. Zinc C. Calcium binding factor D. None of these  905) Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis A. Miacin B. Zinc D. Vitamin C  906) Cyanocobalamine is essential for the formation of A. Lymph B. WBC C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. Scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc C. Coper D. Manganese  909) Correction with the endogenous compounds of feese during digestibility estimation is called A. True digestibility B. apparent digestibility estimation is called A. True digestibility B. apparent digestibility S. A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, froteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach B. Ileum D. C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate	902)	Whi	ch one is correctly matched?					
903   Which fat soluble vitamin also acts as hormones   B. D   C. E   D. K     904   Vitamin K acts as   A. Anti-coagulant   B. Hormones   A. Anti-coagulant   B. Hormones   A. C. Calcium binding factor   D. None of these     905   Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis   A. Niacin   B. Zinc   A     C. B complex   D. Vitamin C   C. B complex   D. Vitamin C     906   Cyanocobalamine is essential for the formation of   A. Lymph   B. WBC   C. RBC   D. Platelets     907   The intake of calciferol is known to prevent   A. Osteomalacia   B. pellagra   C. scurvy   D. xerophthalmia     908   Which of the following trace element is significant for maintenance of teeth   A. Fluoride   B. Zinc   A     A. Fluoride   B. Zinc   A   A   A     C. Copper   D. Manganese   D. Manganese     909   Correction with the endogenous compounds of feces during digestibility estimation is called   A. True digestibility   B. apparent digestibility   A   A     C. overall digestibility   B. apparent digestibility   A   A     C. overall digestibility   D. none of these   A     C. Carbohydrates, fats, proteins   B. Fats, carbohydrates, proteins   A     C. Carbohydrates, groteins   B. Fats, carbohydrates   D     During prolonged fasting the sequence of organic compounds used by body is   A. Carbohydrates, proteins   B. Fats, carbohydrates, proteins   C. Carbohydrates, proteins   B. Brunner's glands are found in   A. Stomach   B. Ileum   D     A. Stomach   B. Ileum   D   Duodenum   D   Duodenum   D   Duodenum   D   Sodium glycolate and taurocholate   D	I I			B.	Vitamin B-Calciferol	С		
903   Which fat soluble vitamin also acts as hormones   B. D   C. E   D. K     904   Vitamin K acts as   A. Anti-coagulant   B. Hormones   A. Anti-coagulant   B. Hormones   A. C. Calcium binding factor   D. None of these     905   Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis   A. Niacin   B. Zinc   A     C. B complex   D. Vitamin C   C. B complex   D. Vitamin C     906   Cyanocobalamine is essential for the formation of   A. Lymph   B. WBC   C. RBC   D. Platelets     907   The intake of calciferol is known to prevent   A. Osteomalacia   B. pellagra   C. scurvy   D. xerophthalmia     908   Which of the following trace element is significant for maintenance of teeth   A. Fluoride   B. Zinc   A     A. Fluoride   B. Zinc   A   A   A     C. Copper   D. Manganese   D. Manganese     909   Correction with the endogenous compounds of feces during digestibility estimation is called   A. True digestibility   B. apparent digestibility   A   A     C. overall digestibility   B. apparent digestibility   A   A     C. overall digestibility   D. none of these   A     C. Carbohydrates, fats, proteins   B. Fats, carbohydrates, proteins   A     C. Carbohydrates, groteins   B. Fats, carbohydrates   D     During prolonged fasting the sequence of organic compounds used by body is   A. Carbohydrates, proteins   B. Fats, carbohydrates, proteins   C. Carbohydrates, proteins   B. Brunner's glands are found in   A. Stomach   B. Ileum   D     A. Stomach   B. Ileum   D   Duodenum   D   Duodenum   D   Duodenum   D   Sodium glycolate and taurocholate   D		C.	Vitamin E-Tocopherol	D.	Vitamin A-Thyamine			
C.   E   D.   K	903)				·			
C.   E   D.   K		A.	A	B.	D	В		
A. Anti-coagulant B. Hormones C. Calcium binding factor D. None of these  905) Cows that are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis A. Niacin B. Zinc A C. B complex D. Vitamin C  906) Cyanocobalamine is essential for the formation of A. Lymph B. WBC C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins C. Carbohydrates, fats, proteins B. Flats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach B. Ileum C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate	1 .							
C.   Calcium binding factor   D.   None of these	904)	Vita	amin K acts as					
C.   Calcium binding factor   D.   None of these				B.	Hormones	Α		
Some content are at risk of developing ketosis can be fed with the following vitamin to help prevent ketosis   A.   Niacin   B.   Zinc   C.   B complex   D.   Vitamin C				_				
A. Niacin B. Zinc C. B complex D. Vitamin C  906) Cyanocobalamine is essential for the formation of A. Lymph B. WBC C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility A C. overall digestibility B. apparent digestibility A. C. arbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  910) Brunner's glands are found in A. Stomach B. Ileum D. C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate	905)							
Section   Post   Post						A		
Section   Post   Post		C.	B complex	D.	Vitamin C			
C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach B. Ileum D C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate	906)	Cya	nocobalamine is essential for the formation of					
C. RBC D. Platelets  907) The intake of calciferol is known to prevent A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach B. Ileum D C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate		A.	Lymph	B.	WBC	С		
A. Osteomalacia B. pellagra C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate				D.	Platelets			
C. scurvy D. xerophthalmia  908) Which of the following trace element is significant for maintenance of teeth A. Fluoride B. Zinc A C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin D. Sodium glycolate and taurocholate	907)	The	intake of calciferol is known to prevent					
Which of the following trace element is significant for maintenance of teeth   A.   Fluoride   B.   Zinc   A		A.	Osteomalacia	B.	pellagra	С		
A. Fluoride C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate		C.	scurvy	D.	xerophthalmia			
C. Copper D. Manganese  909) Correction with the endogenous compounds of feces during digestibility estimation is called A. True digestibility B. apparent digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach B. Ileum D C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate	908)	Wh	ich of the following trace element is significant for	ma	intenance of teeth			
Correction with the endogenous compounds of feces during digestibility estimation is called   A.   True digestibility   B.   apparent digestibility   A		A.	Fluoride	B.	Zinc	A		
A. True digestibility C. overall digestibility D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate		C.	Copper	D.	Manganese			
C. overall digestibility  D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is  A. Carbohydrates, fats, proteins  B. Fats, carbohydrates, proteins  C. Carbohydrates, proteins, lipids  D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in  A. Stomach  C. Colon  D. Duodenum  912) Which ones are bile salts  A. Hemoglobin and biliverdin  B. Bilirubin and biliverdin  D. Sodium glycolate and taurocholate	909)	Cor	rection with the endogenous compounds of feces de	urin	g digestibility estimation is called			
C. overall digestibility  D. none of these  910) During prolonged fasting the sequence of organic compounds used by body is  A. Carbohydrates, fats, proteins B. Fats, carbohydrates, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in  A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts  A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate		A	True digestibility	B.	apparent digestibility	A		
A. Carbohydrates, fats, proteins C. Carbohydrates, proteins, lipids D. Proteins, lipids, carbohydrates  911) Brunner's glands are found in A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate		C.	overall digestibility	D.	none of these			
C. Carbohydrates, proteins, lipids  D. Proteins, lipids, carbohydrates  Proteins, lipids, carbohydrates  Brunner's glands are found in  A. Stomach  C. Colon  D. Duodenum  Proteins, lipids, carbohydrates  D  D  D  D  D  D  D  D  D  D  D  D  D	910)							
911) Brunner's glands are found in  A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate			<u> </u>	B.	Fats, carbohydrates, proteins	A		
A. Stomach C. Colon D. Duodenum  912) Which ones are bile salts A. Hemoglobin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate				D.	Proteins, lipids, carbohydrates			
C. Colon  D. Duodenum  912) Which ones are bile salts  A. Hemoglobin and biliverdin  C. Bilirubin and hemoglobin  D. Sodium glycolate and taurocholate	911)							
912) Which ones are bile salts A. Hemoglobin and biliverdin C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate				B.		D		
A. Hemoglobin and biliverdin B. Bilirubin and biliverdin D. Sodium glycolate and taurocholate		C.	Colon	D.	Duodenum			
C. Bilirubin and hemoglobin D. Sodium glycolate and taurocholate	912)	Wh	ich ones are bile salts					
<u> </u>		A.	Hemoglobin and biliverdin	B.	Bilirubin and biliverdin	D		
913) is the heat produced by an animal during complete rest (not sleening) following fasting $\Delta$		C.	Bilirubin and hemoglobin	D.	Sodium glycolate and taurocholate			
A second of the new produced by an annual during complete lest (not sleeping) following lasting,	913)		is the heat produced by an anima	l du	ring complete rest (not sleeping) following fasting,	A		

	using energy just enough to maintain vital cellular activity, respiration and circulation							
	A. Basal metabolic rate		Heat of Increment					
	C. Basal Metabolic reaction	D.						
914)								
	A. 30 ppb	B.	300 ppb	A				
	C. 3000 ppb	D.						
915)	, , , , , , , , , , , , , , , , , , , ,	very	11					
	cellulose, but their action is not completely understood							
	A. Protozoa	B.	Yeast	В				
	C. Bacteria	D.	Both bacteria and yeast					
916)	The pathway of propionate production in animal con	sumi	ng high fibrous diet					
	A. Succinate pathway	B.	Citrate Cycle	A				
	C. Glycolysis	D.	none of these					
917)	Which protein is responsible for transportation of iro	n wit	thin the body					
	A. Transferrin	B.	Calbindin	A				
	C. Hemoglobin	D.	none of these					
918)			•					
	A. these are all proteolytic enzymes	B.	these are all proteins	В				
	C. these are all produced in stomach	D.						
919)		as						
	A. Protease	B.	Alpha amylase	C				
	C. Hydrolases	D.	Peroxidases					
920)	Mature cows produce gallons of saliva per	day						
	A. 2	B.	4	D				
	C. 6	D.	12					
921)	The hormone that raises blood glucose levels is		,					
	A. Insulin	B.	Glucagon	В				
	C. Secretin	D.						
922)								
	A. proteins and amino acids	B.						
	C. NDF	D.	ADF					
923)								
	A. Palatine glands	B.	<u> </u>	A				
	C. Parotid gland	D.	Sub-mandibular gland					
924)	Following minerals have important roles in erythrope	oiesis	s, except					
	A. Iron		Copper	D				
	C. Cobalt	D.	Molybdenum					
925)	Protease inhibitors are present in		•					
	A. Molasses	B.	Sunflower meal	D				
	C. Canola meal	D.	Soybean meal					
926)	Which one is an essential amino acid for poultry		· ·					
	A. Taurine	B.	Glycine					
	C. Glutamine	D.						
927)	Urease test is used for assessing the quality of							
	A. Soybean meal	B.	DCP	A				
	C. MCP	D.						
928)								
	A. Trypsin inhibitor	B.	Phytates	D				
	C. Tannins		Both trypsin inhibitor and tannin					
929)	Which is not one of the advantages of grinding			-				
1	A. Improve feed utilization	B.	Improve palatability	D				

	C. Increase surface area for enzymatic action	D	Increase feed passage time					
930)		ν.	mercuse reed pussage time					
100)	A. Antibiotic	R	Anthelmentic	C				
	C. Antifungal additives		Both antibiotic and anthelmentic	$\dashv$				
931)								
)31)	A. Reticulum	B.	Rumen	- A				
		D.	Abomasum					
932)								
732)	3,7	_	White Muscle Disease					
	A. Hypomagnesemia C. Hypocalcemia		Copper Toxicosis	A				
022)	**	υ.						
933)	The esophageal groove forms a passageway from the _	D	to the Cardia, abomasum	- C				
	A. Reticulum, omasum	+		$\dashv$				
024)	C. Cardia, omasum	D.	Reticulum, abomasum					
934)	Vit. B2 is also called	Б	AT' '					
	A. Riboflavin		Niacin	A				
025)	C. Pyradxin	D.	Both Niacin and Pyradxin					
935)	Urea Toxicity is also termed as	-	***					
	A. NH3 toxicity	B.	<b>-</b>	A				
	C. Blood toxicity		Lymph toxicity					
936)								
	A. 1/10th of body wt.		1/20th of body wt.	A				
	C. 1/5th of body wt.		1/25th of body wt.					
937)	The term is used for a digestive upset in cattle	wh	ere large amounts of gas are trapped					
	A. Acidosis	B.	Founder	D				
	C. Shipping fever	D.	Bloat					
938)	VFA is normally present in the greatest qua	ntit	y in the rumen of ruminants					
	A. Butyric	B.	Propionic	C				
	C. Acetic	D.	Lactic					
939)	,							
	A. Glycerin		Triolein	С				
	C. Glycerol	D.	Fatty acids					
940)								
	A. Polioencephalomalacia	B.	Wool loss	A				
	C. Acidosis	D.	Urinary calculi					
941)	ļ		·					
	A. Heifer	B.	Calves	В				
	C. Cow		Buffalo					
942)								
	A. Vit. A		Vit. B	В				
	C. Vit. C		Vit. C					
943)								
13)			4 times	- C				
	C. 3 times	D.	5 times	$\dashv$				
944)		<i>υ</i> .	5 times					
//	A. Calving	Ъ	Wasning	В				
		B.	Weaning  Reth calving and weening	- В				
945)	1	υ.	Both calving and weaning					
743)		D	L. Cia.					
	A. In Vivo	B.	In Situ	В				
046	C. In Vitro	D.	In vivo and In Vitro both					
946)	ll Vitamins are present in eggs except			C				

C   Vit. C   D   Vit. D		A.	Vit. A	B.	Vit. B				
Nucleoprotein & glycoprotein belongs to protein group   A.   Derived and Conjugated   B.   Conjugated   D.   Simple and Conjugated   A.   Absorption   A.   Absorption   A.   Absorption   A.   Absorption   A.   Absorption   A.   Reproduction   D.   Active transport   A.   Reproduction   D.   Active transport   A.   Reproduction   D.   Urination   D.   D.   Nor Antigen nor antibody   D.   Different method to measure digestibility is   D.   A.   In vitro technique   B.   In Situ   D.   All of them   D.   C.   Eophalo cholesterol   D.   D.   Cholesterol   D.   D.   D.   D.   D.   D.   D.   D		C.							
A   Derived and Conjugated   B   Conjugated   C   Simple   D   Simple and Conjugated	947)								
C.   Simple   D.   Simple and Conjugated   A   Ansorption   A   Absorption   B.   Diffusion   D.   Active transport   A   Absorption   B.   Diffusion   A   A   Reproduction   D.   Active transport   A   Reproduction   D.   C.   Production   D.   Urination   D.   Different method to measure digestibility is   A.   In vitro technique   D.   D.   Nor Antigen nor antibody   D.   Different method to measure digestibility is   A.   In vitro technique   D.   All of them   D.   Urination   Urination   D.   Urination   D.   Urination   D.   Urination   Urination   D.   Urination   Urinati					Conjugated	В			
Name									
A.   Absorption   B.   Diffusion   D.   Active transport	948)								
C.   Effusion   D.   Active transport		. 1		B.	Diffusion	A			
Name		C.		_					
A   Reproduction   B   Respiration   C   Production   D   Urination   D   D   D   D   D   D   D   D   D	949)	The		1					
C.   Production   D.   Urination   D.   Urination   D.   Urination   D.   Urination   D.   Urination   D.   D.   D.   D.   D.   D.   D.   D		A.	•	В.	Respiration	A			
500   National Properties   National Prop		C.							
Note	950)	The		<u> </u>	C.I.I.W.				
C.   Both Antigen and Antibody   D.   Nor Antigen nor antibody	· ·			B.	Antibody	В			
Different method to measure digestibility is   A.   In vivo technique   D.   All of them		C		_					
A.   In vivo technique   B.   In Situ   C.   In vitro technique   B.   In Situ   D.   All of them	951)	Dif		1	Tion Timingon not united by				
C.   In vitro technique   D.   All of them		. 1	•	B.	In Situ	D			
Stamin D is synthesized in skin by the action of sunlight on the component of the compon		C							
A.   Cholesterol   B.   7-dehydrocholesterol   C.   Cephalo cholesterol   D.   Cholesterol and 7-dehydrocholesterol	952)	Vit	*						
C.   Cephalo cholesterol   D.   Cholesterol and 7-dehydrocholesterol			<u> </u>			В			
953   Molasses excellent source of minerals except		C.		_					
A.   Calcium   D.   Sodium   S	953)	Mo		٠.	Choicesteror and 7 dony drochoresteror				
C.   Magnesium   D.   Sodium	· ·	. 1		B.	Phosphorus	В			
Molasses rich in vitamins		C.		_	*				
A.   Niacin and Pantothenic acid   B.   Niacin and Cyanocobalamin   C.   Pantothenic acid and riboflavin   D.   Thiamine and Riboflavin	954)	Mo		1	2001WIII				
C.   Pantothenic acid and riboflavin   D.   Thiamine and Riboflavin				В	Niacin and Cyanocobalamin	Α			
State   Sta		C							
A.	955)	The							
C.   2-5% & 5-10%   D.   1-2% & 5-10%						В			
Section   Sect				_					
A.   Leucine   B.   Lysine   C.   Isoleucine   D.   Tyrosine	956)				2 = 70 000 = 070				
C.   Isoleucine   D.   Tyrosine	Í			В.	Lysine	A			
Sulphur containing vitamins are		C.		_	•				
A.       Thiamine and Riboflavin       B.       Thiamine and Biotin       B         C.       Biotin and Cyanocobalamin       D.       Thiamine and Cyanocobalamin         958)       Gingin rickets in lambs & calves due to	957)	Sul			<b>,</b>				
C.         Biotin and Cyanocobalamin         D.         Thiamine and Cyanocobalamin           958)         Girgin rickets in lambs & calves due to				B.	Thiamine and Biotin	В			
958  Gingin rickets in lambs & calves due todeficiency   A.   Calcium   B.   Phosphorus   C   Copper   D.   Magnesium     959  Polyneuritis is deficiency symptom of vitamin   A.   B1   B.   B2   A   C.   B6   D.   B12     960  NAD into NADH genesis		C.		_					
A.   Calcium   B.   Phosphorus   C   Copper   D.   Magnesium									
C. Copper       D. Magnesium         959)       Polyneuritis is deficiency symptom of vitamin       A. B1       B. B2       A. B6       D. B12         960)       NAD into NADH genesismoles of ATP       A. 0       B. 1       B         961)       FAD into FADH genesismoles of ATP       A. 0       B. 1       C         962)       GAD into GTP genesismoles of ATP       A. 0       B. 1       B <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td>						C			
959)       Polyneuritis is deficiency symptom of vitamin       A.       B1       B.       B2       A         C.       B6       D.       B12       B12 <td< td=""><td></td><td>C.</td><td></td><td>_</td><td></td><td></td></td<>		C.		_					
A.   B1	959)	Pol	**						
C. B6       D. B12         960) NAD into NADH genesis				B.	B2	A			
960) NAD into NADH genesis									
A. 0 B. 1 C. 2 D. 3  961) FAD into FADH genesismoles of ATP A. 0 B. 1 C. 2 D. 3  962) GAD into GTP genesismoles of ATP A. 0 B. 1 C. 2 D. 3  962) GAD into GTP genesismoles of ATP A. 0 B. 1									
C.       2       D.       3         961)       FAD into FADH genesis		. 1	-		1	В			
961) FAD into FADH genesis		C.	2	_					
A. 0 B. 1 C C. 2 D. 3  962) GAD into GTP genesismoles of ATP A. 0 B. 1 B. 1 C. 2 D. 3	961)	FAD into FADH genesismoles of ATP							
C.         2         D.         3           962)         GAD into GTP genesismoles of ATP         B.         1         B.					1	С			
962) GAD into GTP genesismoles of ATP  A. 0  C. 2  B. 1  D. 3		C.	2		3				
A. 0 C. 2 B. 1 D. 3	962)	GA	D into GTP genesismoles of ATP						
C. 2 D. 3		. 1		B.	1	В			
			2						
	963)		is called as branching enzyme in glycogenesis	•		A			

	A.	Glucosyl 4,6 transferase	В.	Amylo 1,6 glucosidase				
	C.	Glycogen phosphorylase	D.	Glycogen synthetase				
964)		is called as de -branching enzyme in glyc	coge	enesis				
	A.	Glucosyl 4,6 transferase	B.	Amylo 1,6 glucosidase	В			
	C.	Glycogen phosphorylase	D.	Glycogen synthetase				
965)								
	A.	Leucine and Lysine	B.		A			
	C.	Methionine and Threonine	D.	Leucine and Isoleucine				
966)	Mineral involved in urea cycle							
,	A.	Calcium	B.	Phosphorus	C			
	C	Magnesium	D.	Manganese				
967)	1 K	Kg TDN =Kcal Digestible energy	υ.	Mungunese				
701)	A.	4400	В.	3020	A			
	<u>л.</u> С	0.869	D.	5025	71			
968)	C.	FE% =100-	D.	3023				
700)		Moisture%+CF%+CP%+EE%	D	CF%+CP%+EE%+ash%	C			
	A.	Moisture%+CF%+CP%+EE%+ash%	B.		С			
060)	U. De		D.	CP%+CF%+EE%				
909)		aminants cannot convert glucose to fat due to lack of		NADDl.(, d.l., d.,,				
	A.	ATP citrate lyase	B.	, <u>, , , , , , , , , , , , , , , , , , </u>	D			
	C.	ATP acetate lyase	D.	Both ATP citrate lyase and NADP malate				
0.50		·		dehydrogenease				
970)	%'	TDN=						
	A.	dig.protein %+dig.fibre% +dig NFE% +dig EE% +ash%	В.	dig.protein %+dig.fibre% +dig NFE% +dig EE% ×2.25	В			
	C.	dig.protein %×2.25+dig.fibre% +dig NFE% +dig EE%	D.	dig.protein %+dig.fibre% +moisture% +dig EE%				
971)	рΗ	I of very good silage is4.2-4.5						
	A.	3.5-4.2	B.	4.2-4.5	A			
	C.	4.5-4.8	D.	>4.8				
972)	Mi	inimum crude protein for a calf starter should be						
	A.	20-22%	B.	23-26%	В			
	C.	28-30%	D.	18-20%				
973)	Fo	or the conversion of trypsinogen to trypsiner	1ZV1					
,	Α.	Exopeptidase		Enterokinase	В			
	C.	Endopeptidase	D.	Chymotrypsin	_			
974)		5 gram of methane is produced by utilizing 100 g of	<u> 12.</u>	- Chijimou j pom				
· · ·)	A.	Carbohydrates	B.	Protein	A			
	C.	NPN	D.	Fats	А			
975)		ne brown colour of silage is due to	υ.	1 415				
113)		Production of lactic acid	B.	Formation of alcohol	С			
	A. C.		D.	Formation of alcohol Production of butyric acid	C			
976)		A pigment phaecophytin	D.	Production of butyric acid				
9/0)		deficiency causes perosis	Ь	D' -: 1E 1: - 11				
	Α.	Manganese and Choline	B.	Biotin and Folic acid	D			
	C.	Thiamine, Manganese, Choline, Biotin and Folic acid	D.	Vitamin B12, Manganese, Choline, Biotin and Folic acid				
977)	A1	Il reactions in TCA cycle are reversible except the fo	rma					
- /	A.	Succinyl CoA	В		A			
	<u></u>	α keto glutarate	D.	Fumarate	**			
978)	En	or fatty acid synthesis, Acetyl CoA comes from mitoo						
), U)		Carnitine	B.	Malate	С			
	A.		В. D.		C			
	C.	Citrate	υ.	Oxaloacetate				

Poultry and ruminant animals have different digestive physiology, therefore   A.   Poultry use high fibrous diets and ruminants use less fibrous diets   C.   Poultry can synthesize certain essential vitamins whereas ruminants can't   D.   None of above	D D D						
C. Poultry can synthesize certain essential vitamins whereas ruminants can't   D. None of above	D D						
Second Provides ruminants can't   D.   None of above	D D						
Secure of the protein and such that the protein and	D D						
A. Low quality proteins are converted tint high quality protein and vice versa  C. Unsaturated fats are saturated  D. All of above  81 Bacteria found in the rumen  A. Need CO2 to survive  C. Need Nitrogen for their growth and multiplication D. All of above  982) Fibrolytic bacterial population is high in the rumen when the animals are on  A. High protein diet  C. High concentrate diet  D. High forage  983) New born calves are ruminants therefore can utilize  A. High fibre diet  C. Low quality forages  D. None of above  984) Fibre is important in ruminant animals  A. Because it can be converted into volatile fatty acids and provides energy to the animals  C. It maintains their digestive health  D. All of above  985) Lignin is found in forages and is chemically  A. A carbohydrate  C. Complex of protein and carbohydrates  B. A protein  D. Consists of Phenolic compounds  B. Provides more energy than fats	D D						
A. quality protein and vice versa C. Unsaturated fats are saturated D. All of above  81. Bacteria found in the rumen A. Need CO2 to survive C. Need Nitrogen for their growth and multiplication B. Survive in anaerobic environment C. Need Nitrogen for their growth and multiplication D. All of above  982) Fibrolytic bacterial population is high in the rumen when the animals are on A. High protein diet C. High concentrate diet D. High forage  983) New born calves are ruminants therefore can utilize A. High fibre diet C. Low quality forages D. None of above  984) Fibre is important in ruminant animals A. Because it can be converted into volatile fatty acids and provides energy to the animals C. It maintains their digestive health D. All of above  985) Lignin is found in forages and is chemically A. A carbohydrate C. Complex of protein and carbohydrates D. Consists of Phenolic compounds  986) Ash consists of inorganic matter in a feed and is A. More digestible than carbohydrates B. Provides more energy than fats	D D						
P81)   Bacteria found in the rumen   A.   Need CO2 to survive   B.   Survive in anaerobic environment	D						
A. Need CO2 to survive C. Need Nitrogen for their growth and multiplication D. All of above  982) Fibrolytic bacterial population is high in the rumen when the animals are on A. High protein diet B. High fat diet C. High concentrate diet D. High forage  983) New born calves are ruminants therefore can utilize A. High fibre diet B. NPN compound as a substitute of protei C. Low quality forages D. None of above  984) Fibre is important in ruminant animals A. Because it can be converted into volatile fatty acids and provides energy to the animals C. It maintains their digestive health D. All of above  985) Lignin is found in forages and is chemically A. A carbohydrate C. Complex of protein and carbohydrates D. Consists of Phenolic compounds  986) Ash consists of inorganic matter in a feed and is A. More digestible than carbohydrates B. Provides more energy than fats	D						
C. Need Nitrogen for their growth and multiplication   D. All of above    982) Fibrolytic bacterial population is high in the rumen when the animals are on   A. High protein diet   D. High fat diet   C. High concentrate diet   D. High forage    983) New born calves are ruminants therefore can utilize   A. High fibre diet   B. NPN compound as a substitute of protei   C. Low quality forages   D. None of above    984) Fibre is important in ruminant animals   A. Because it can be converted into volatile fatty acids and provides energy to the animals   C. It maintains their digestive health   D. All of above    985) Lignin is found in forages and is chemically   A. A carbohydrate   B. A protein   C. Complex of protein and carbohydrates   D. Consists of Phenolic compounds    986) Ash consists of inorganic matter in a feed and is   A. More digestible than carbohydrates   B. Provides more energy than fats	D						
Pibrolytic bacterial population is high in the rumen when the animals are on   A.   High protein diet   B.   High fat diet     C.   High concentrate diet   D.   High forage							
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C. High concentrate diet  P. High forage    New born calves are ruminants therefore can utilize   A. High fibre diet   B. NPN compound as a substitute of protei	D						
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C. Low quality forages  984) Fibre is important in ruminant animals  A. Because it can be converted into volatile fatty acids and provides energy to the animals  C. It maintains their digestive health  D. All of above  985) Lignin is found in forages and is chemically  A. A carbohydrate  B. A protein  C. Complex of protein and carbohydrates  D. Consists of Phenolic compounds  986) Ash consists of inorganic matter in a feed and is  A. More digestible than carbohydrates  B. Provides more energy than fats							
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986) Ash consists of inorganic matter in a feed and is  A. More digestible than carbohydrates  B. Provides more energy than fats	D						
A. More digestible than carbohydrates B. Provides more energy than fats							
, ,							
C Provides more energy than vitamins D It does not provide any energy to the animal	D						
987) Ruminally protected proteins are the one that are							
A. Highly digestible in the rumen and release pure B. Fermented in the rumen and release essential amino							
proteins on hydrolysis acids as end products	C						
C. Pass from the rumen undigested and are available D. Digested in the large intestine and more beneficial to							
to the animal in lower gasrto-intestinal trac b. the host animal							
988) During high environmental temperature							
A. Intake of the animals is increased B. Intake of the animals is decreased	В						
C. Intake of the animal is not affected D. None of above							
989) Maintenance requirements of the animals are high							
A. In a severe cold temperature  B. In a thermoneutral zone	A						
C. In a windy weather  D. All of above							
990) Pseudo-ruminants possess three compartmented stomach with one of the following being absent							
A. Rumen  B. Reticulum	С						
C. Omasum  D. Abomasums	_						
91) The development of rumen wall and the papillae depends on							
, and the second	В						
· · ·	D						
C. Inoculation by rumen bacteria D. All of above							
What stomach compartments are not developed in a newborn calf	Б						
A. Abomasum and omasum  B. Abomasum and rumen	D						
C. Rumen and omasum  D. Rumen and reticulum							
993) When the environmental temperature falls below 30°F, ro provide more energy, the normal diet of a young calf							
should be supplemented with	В						
A. Protein B. Fats							

	C.	Vitamin A	D.	Warm Fresh Milk		
994)	Wh	nat percent of crude protein should a calf starter be				
	A.	6-8	B.	10-12	C	
	C.	16-18	D.	22-24		
995)	The	e saliva of pre-ruminant calves contains pregastric e	ster	rase which is secreted by		
	A.	Palatine glands	B.	Sub-lingual gland	A	
	C.	Parotid gland	D.	Sub-mandibular gland		
996)	Tot	tal digestible nutrients (TDN) is a simplified represe	nta	tion of		
	A.	Gross energy (GE)	B.	Digestible energy (DE)	В	
	C.	Metabolizable energy (ME)	D.	Net energy (NE)		
997)	7) Following minerals have important roles in erythropoiesis, except					
	A.	Iron	B.	Copper	D	
	C.	Cobalt	D.	Molybdenum		
998)	Iod	line is necessary to synthesis thyroid hormones that	regi	ulate the metabolism of		
	A.	Carbohydrate	B.	Fat	D	
	C.	Protein	D.	Energy		
999)	Ou		esse	ntial vitamin in ruminants and pre-ruminants as well		
	A.	Riboflavin	B.	Biotin	C	
	C.	Ascorbic acid	D.	Choline		
1000)	Nig	ght blindness is a deficiency symptom of Vitamin				
	A.	A	B.	D	A	
	C.	E	D.	K		