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#### COMBINED COMPETITIVE (PRELIMINARY) EXAMINATION, 2013

ANIMAL HUSBANDRY & VETERINARY SCIENCE Code No. 02



Time Allowed: Two Hours

Maximum Marks: 300

#### **INSTRUCTIONS**

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
- 2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE RESPONSE SHEET.
- You have to enter your Roll Number on this
   Test Booklet in the Box provided alongside.
   DO NOT write anything else on the Test Booklet.

100	
Your Roll No.	
Tour Ron 110.	
(i)	

- 4. This Booklet contains 120 items (questions). Each item comprises *four* responses (answers). You will select *one* response which you want to mark on the Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
- 5. In case you find any discrepancy in this test booklet in any question(s) or the Responses, a written representation explaining the details of such alleged discrepancy, be submitted within three days, indicating the Question No(s) and the Test Booklet Series, in which the discrepancy is alleged. Representation not received within time shall not be entertained at all.
- 6. You have to mark all your responses ONLY on the separate Response Sheet provided. *See directions in the Response Sheet*.
- 7. All items carry equal marks. Attempt ALL items. Your total marks will depend only on the number of correct responses marked by you in the Response Sheet.
- 8. Before you proceed to mark in the Response Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Response Sheet as per instructions sent to you with your Admit Card and Instructions.
- 9. While writing Centre, Subject and Roll No. on the top of the Response Sheet in appropriate boxes use "ONLY BALL POINT PEN".
- 10. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator only the Response Sheet. You are permitted to take away with you the Test Booklet.

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# **ROUGH WORK**



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	(C) Vit. A	(D)	Vit. E
	(A) Vit. K	` ′	Vit. C
	required normal dietary nutrient?		1 . 3
11.	Which of the following vitamins is normally synthes	sized	in poultry and hence not considered a
	(C) More than 30% protein	(D)	Maximum of 5% SNF
	(A) Less than 0.1% fat	` /	1% fat Maximum of 5% SNE
10.	Skim milk contains:	(D)	10/ 6-4
1.0			
	(C) Flourescein	(D)	Casein
	(A) Xanthene	(B)	Carotene
9.	Yellow coloration of cow milk is due to:	` /	
	(C) Riboflavin	(D)	Cobalamin
8.	Vitamin B <sub>12</sub> is also called as: (A) Thiamine	(B)	Cyanocobalamin
0	Mr. I B I I II II I	11	
	(C) Heifer	(D)	Steer
•	(A) Doe	(B)	Ewe
7.	Adult female goat is known as:		Contract of the Contract of th
	(C) Net energy	(D)	Metabolizable energy
	(A) Digestible energy		Gross energy
6.	The amount of heat resulting from the complete oxi		1 /
	· · · · · · · · · · · · · · · · · · ·	(-)	11123
	(C) Anterior pituitary	` ′	Posterior pituitary
5.	FSH and LH hormones are released from the follow (A) Adrenal cortex	_	organ : Ovary
_	ECH and I Hamman as a second second second		A COL
	(C) D	(D)	K
	(A) A	(B)	В
4.	Which of the following is a water soluble vitamin?		A V
	(C) Polygenes	(D)	All the above
	(A) Multiple alleles		Pleiotropism
3.	Genetically two traits are related due to:		-24
		(-)	
	(C) Kangayam	` ′	Khillar
∠.	(A) Kankrej	(B)	Gir
2.	Which of the following is a dual purpose cattle bree	ed 9	
	(C) 175-180 days	(D)	90-95 days
	(A) 148-156 days		120-126 days
1.	Gestation period in goat is:		

12.	About 50 per cent of total meat in India is produce	•	
	(A) Ruminante	(B)	Poultry
	(C) Piggery	(D)	Fishery
13.	Percentage of nitrogen in crude protein is about:		
	(A) 12	(B)	22
	(C) 26	(D)	
	(C) 20	(D)	10
14.	Chevon is the name of meat of:		
	(A) Sheep	(B)	Goat
	(C) Cow	(D)	Pig
15.	With reference to genes for milk yield, consider the	follo	wing:
	(a) Only females carry the genes		
	(b) It is sex influenced		
	Which of the statements given above is/are correct	2	5
	(A) (a) only	· (B)	(b) only
	(A) (a) only (C) Both (a) and (b)	` ′	None of them
	(C) Both (a) and (b)	(D)	None of them
16.	Organisms causing Babesiosis live in:	1	/ \ /
	(A) WBCs	(B)	Platelets
	(C) RBCs	(D)	All the above
17	Carried of Harris statements		-
17.	Consider the following statements:		PHIS
	(a) India has about 75% of world's buffalo popula	•	
	(b) India has about 50% of world's cattle population		
	(c) India has about 10% of world's sheep populat Which of the statements given above is/are correct		1.0
	(A) (a) only		(b) only
			None of them
	(C) (c) only	(D)	None of them
18.	The optimum dry period recommended for annual c	alvin	ng is:
	(A) 1 month	(B)	2 months
	(C) 3 months	(D)	4 months
	1	_	
19.	Neutrophil and Lymphocyte counts of normal healt	•	
	(A) 60 and 30	` ′	40 and 10
	(C) 30 and 30	(D)	30 and 60
20.	White Leghorn breed of poultry is a/an:		
	(A) Mediterranean breed	` /	American breed
	(C) English breed	(D)	Asiatic breed

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21.	As per Prevention of Food Adulteration Act, the fathan:	at con	tent of milk powder should not be less
	(A) 42%	(B)	26%
	(C) 12%	` ′	4%
22.	Which of the following species has the highest dres	ssing	percentage?
	(A) Sheep	(B)	Goat
	(C) Cattle	(D)	Pig
23.	In which method of selection, minimum standard is	fixed	simultaneously for several traits?
	(A) Tandem method	(B)	Selection Index
	(C) Independent culling level	(D)	Sire index
24.	The correct ascending order of annual genetic gain		
	(A) Cattle, sheep, pig, poultry	(B)	Poultry, pig, sheep, cattle
	(C) Poultry, sheep, pig, cattle	(D)	Poultry, cattle, sheep, pig
25.	Consider the following statements:		36 3 30 M
	(a) Selection creates new gene		
	(b) Desired gene frequency increases by selection	ı /	
	Which of the statements given above is/are correct		1/
	(A) (a) only	(B)	(b) only
	(C) Both (a) and (b)	(D)	None of them
26.	'Lard', an animal fat used as cooking fat is obtaine (A) Pig (C) Sheep	(B)	m : Fish Poultry
27.	Sickle shaped horn is the characteristic of the follow	wing l	ouffalo breed :
	(A) Jaffarbadi	_	Surti
	(C) Nagpuri	` ′	Mehsana
	3 10	, ,	
28.	When the selection differential is 200 kg and heritageneration will be:	bitity	of the trait is 0.4 the genetic gain per
	(A) 280 kg	(B)	80 kg
	(A) 280 kg (C) 240 kg		40 kg
	(C) 240 kg	(D)	40 kg
29.	A disease commonly found with regularity in a part		•
	(A) Endernic		Epidemic
	(C) Pandemic	(D)	Epizootic
30	Free martin is a:		
50.	(A) Female calf born co-twin to a male calf	(B)	Male calf born co-twin to a female calf
	(C) Female calf born co-twin to a female calf	` ′	Male calf born co-twin to a male calf
	(c) Temale can confect win to a female can	(D)	made can borneo twin to a mare can
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31.	Sunandini cattle breed developed in Kerala is a cro	ss be	etween:
	(A) Brown Swiss and local cattle		HF and local cattle
	(C) Jersey and local cattle		Red Dane and local cattle
32.	An exotic breed of pig with drooping ear is:		
	(A) Large white Yorkshire	(B)	Landrace
	(C) Hampshire	(D)	Berkshire
33.	The digestible crude protein content fodder maize i	s abo	out:
	(A) 10-12%		Zero %
	(C) 7-8%	` /	1-2%
34.	Daily digestible crude protein requirement of cattle	weig	thing 300 kg is :
	(A) 0.2 kg	_	2 kg
	(C) 3.0 kg	, ,	1.0 kg
25	Did it is a second of the seco		41 63
<i>3</i> 5.	Biological value of egg protein is:	(D)	100
	(A) 80%	` '	100%
	(C) 94%	(D)	75%
36.	A good silage should have a pH of:	- /	
	(A) 6.2 – 6.4	(B)	8.2 - 8.6
	(C) 2.3 – 2.5	, ,	4.2 – 4.5
27		i.,	(TT)
37.	Unhealthy hair and wool in livestock is generally du	•	
	(A) Zinc	` '	Calcium
	(C) Sodium	(D)	Phosphorus
38.	In cattle, the bypass protein bypasses the:		
	(A) Large intestine	(B)	Rumen
	(C) Small intestine	(D)	Entire digestive system
39.	Standard lactation length for standardizing the milk	reco	rd is:
	(A) 270 days		365 days
	(C) 330 days		305 days
40.	An ideal calf starter ration contains:		
то.	(A) 20% DCP and 70% TDN	(B)	50% DCP and 50% TDN
	(C) 70% DCP and 20% TDN	` /	40% DCP and 50% TDN
	(c) 7070 Ber und 2070 TBT(	(D)	1070 Bel and 3070 1B1V
41.			
	(A) Fertility rate	` ′	Birth rate
	(C) Conception rate	(D)	Service rate
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42.	The Incubation period of Foot and Mouth Disease	is:		
	(A) One month	(B)	Six months	
	(C) 15-20 days	(D)	3-4 days	
43.	Which of the following breeds of buffaloes produce	es hig	gest fat percentage ?	
	(A) Bhadawari		Surti	
	(C) Murrah	` ′	Nagpuri	
44.	Dry matter requirement of a lactating buffalo weigh	_	_	42
	(A) 30 kg		5 kg	- 6
	(C) 10 kg	(D)	15 kg	20.70
45.	The drug used for treating bovine ketosis is:			W. A.
	(A) Sodium bicarbonate	(B)	Sodium carbonate	- 0
	(C) Sodium chloride	(D)	Sodium propionate	100
16	The fet deposits in the lean tissue of most is called a		A 6 63	
40.	The fat deposits in the lean tissue of meat is called:		naftil .	Mr.
	(A) Lumping	, ,	Bubling Markling	
	(C) Adiposing	(D)	Marbling	
47.	The milk product which is obtained by draining who	ey aft	er coagulation of milk is :	
	(A) Yoghurt	(B)	Cheese	
	(C) Skimmed milk	(D)	Paneer	
10	The meetain content of lence moultant again should		(TT)	
40.	The protein content of large poultry egg is about:	(D)	6.7 am	
	(A) 14-15 gm	(B)	6-7 gm	
	(C) 1-2 gm	(D)	10-12 gm	
49.	The ideal temperature during first week of brooding	g of c	hicks is:	
	(A) 90 °F	(B)	95 °F	
	(C) 100 °F	(D)	85 °F	
50	Contation law oth in this is all out a			
50.	Gestation length in pig is about:	(D)	A o 4 la o	
	(A) 3 months	` ′	4 months	
	(C) 5 months	(D)	6 months	
51.	Freshly drawn milk has pH in the range of:			
	(A) 7.0 – 7.2	(B)	7.4 - 7.6	
	(C) 6.5 – 6.7	(D)	6.0 - 6.2	
50	The most commonly was direct to detect heats in	m:11-	io.	
32.	The most commonly used test to detect bacteria in a			
	(A) Standard plate count	` ′	Alcoholic test	
	(C) Butyrometer test	(D)	Gerber method	
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53.	The recommended exotic level of inheritance of cregions of the country is:	oss b	reeding Indian dairy cattle, for most
	(A) 75%	(B)	50%
	(C) 87.5%	. ,	95%
54.	Modern commercial poultry layers starts to lay egg	g at th	ne age of around:
	(A) 20 weeks	(B)	6 weeks
	(C) 30 weeks	(D)	40 weeks
55.	The heritability of egg weight in poultry is:		63
	(A) high	(B)	low
	(C) zero	(D)	1.0
56.	Which one of the following methods is not used for	r sexi	ng of chicks ?
	(A) Identification of rudimentary testes in cloaca		
	(B) Rapid and slow feathering		46 60
	(C) Barring and non-barring		100
	(D) Comb shape		
57.	The feed cost as the percentage of total cost of com	nmer	cial poultry production is:
	(A) 60-70	(B)	40-50
	(C) Above 90	(D)	30-40
58.	The major component of egg shell is:		CITI'S
	(A) Calcium phosphate	(B)	Calcium chloride
	(C) Calcium carbonate	(D)	Dicalcium phosphate
59.	Swine fever in pigs is caused by the virus belonging	g to tl	ne genus :
	(A) Influenza virus	(B)	Vesiculovirus
	(C) Peste virus	(D)	Calcivirus
60.	The Incubation period in Haemorrhagic Septicaem		
	(A) 30 days	` ′	60 days
	(C) 2 days	(D)	120 days
61.	Which one of the following diseases is non contagion	ous?	
	(A) Black quarter	(B)	Bovine pleuropneumonia
	(C) Echthyma	(D)	Ranikhet disease
62.	E		
	(A) T. bovis		T. parva
	(C) T. annulata	(D)	T. mutans
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	(C) Gaddi	(D)	Shahabadi	
	(A) Lohi	` ′	Chokla	
71.	A sheep breed of Himalayan region is:			
	(C) Punjab	(D)	Uttar Pradesh	
	(A) Rajasthan		Haryana	
70.	The State which has the maximum sheep population			
	1	, ,		
	(C) (a) and (b)		None of them	
	(A) (a) only		(b) only	
	Which of the statements given above is/are correct	-	onovindae.	
	<ul><li>(a) Marek's disease is a lympho proliferative dise</li><li>(b) The Marek's disease virus belongs to the famil</li></ul>			
09.	Consider the following with respect to Marek's dise			
<b>6</b> 0	Consider the following with warm at to March?	2002	in noviture	
	(C) Mucometra	(D)	All the above	
	(A) Pyometra	(B)		
68.	Persistent Corpora Intea may be observed in :		A111.50	
	, , , , , , , , , , , , , , , , , , ,		and the same	
	(D) Upper and lower jaws have two incisors each		1./	
	(C) Upper and lower jaws have four incisors each	- /		
	(B) The upper jaw has four incisors in adults	1		
07.	(A) The incisor teeth is absent in the upper jaw			
67	Which of the following statements is true in cattle?		1 2 2 1	
	(C) North East India	(D)	Kashmir	
	(A) Gujarat	` ′	Uttar Pradesh	
66.	Which State is the natural habitat of Jamnapuri goa		The second secon	-1
			10	A . A
	(C) Same in buffalo and sheep	(D)	Same in sheep and cattle	0 10
	(A) Same in sheep and goat	(B)	Same in cattle and goat	-6
65.	Which of the following is correct with regard to the	diplo	oid chromosome number?	1
	(C) Tainoounict and 1724 wait	(1)	1 Modulati Motifio and Dixarol	4
	(C) Rambouillet and Marwari	` ′	Australian Merino and Bikaner	
04.	Hissardale sheep is a cross between:  (A) Kashmiri Merino and Hissar breeds	(B)	Bikaner and Rambouillet	
<i>C</i> 1	Historydolo shoop is a sweet hatron or			
	(C) Karaknath	(D)	Sahil	
	(A) Aseel	(B)	Busra	
03.	which of the following is not an indigenous poultry	bree	ea ?	

72.	Inm	nethylene blue reduction test for t	esting the quality of	f semen, a good semen should reduce the
	colo	rin:		
	(A)	less than one minute	(B)	60 minutes
	(C)	10-20 minutes	(D)	10 seconds
73.	Con	sider the following statements wi	th respect to immur	nity:
	(a)	Passive acquired immunity is the	at which the anima	l produces in its own body as a result of
		disease followed by recovery or	by vaccination.	-1
	(b)	Active acquired immunity is tra	nsferred in the form	of blood serum globulin to one animal
		<del>-</del>	=	n a disease or has been vaccinated.
	Whi	ich of the statements given above	e is/are correct?	20.0
	(A)	(a) only	(B)	(b) only
	(C)	Both (a) and (b)	(D)	None of them
74.		n regard to Synchronization of es	-	200
	(a)		2	ring in teal phase of estrous induce estrous.
				injection can also induce estrous.
		ich of the statements given above		
		(a) only	(B)	(b) only
	(C)	Both (a) and (b)	(D)	None of them
75.	Mos	st ideal breeding programme for	descript buffalo bre	eeds of India is :
	(A)	Inbreeding	(B)	Selective breeding
	(C)	Cross breeding	(D)	Upgrading
76	Witl	n regard to Brucellosis in cattle co	onsider the followin	σ·
70.				st or second month of pregnancy.
		Milk ring test is used as a herd s	- The state of the	to or second monar or pregnancy.
	` /	ch of the following statements is	C	
		(a) only		(b) only
		Both (a) and (b)	, ,	None of them
		Zoin (a) and (b)	(2)	
77.	Con	sider the following with respect t	o Tuberculosis:	
	(a)			only in cattle but not in other ruminants.
	(b)	Human beings may also get affe	•	
	Whi	ich of the statements given above	e is/are correct?	
	(A)	(a) only	(B)	(b) only
	(C)	Both (a) and (b)	(D)	None of them
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_			¥	

78.	Consider the following statements with respect to a (a) Dystocia in anterior presentation is relatively	•	
	presentation in cattle.	11010	posterior
	(b) Posterior presentation is considered pathologi	cal in	all except the multiparous animals.
	Which of the following statements given above is/a		
	(A) (a) only	(B)	(b) only
	(C) Both (a) and (b)	(D)	None of them
<b>-</b> 0			4
79.	The gestation period in rabbit is:	(D)	50.50.1
	(A) 60-62 days		50-52 days
	(C) 40-42 days	(D)	30-32 days
80.	Which breed of rabbit is exclusively reared for wo	ol?	W 9
	(A) New Zealand White		Russian Grey Giant
	(C) Angora		Soviet Chinchilla
	•		41 60
81.	Photoperiodism is characteristic of the reproductive	•	A CONTRACTOR OF THE CONTRACTOR
	(A) Pig		Sheep
	(C) Cattle	(D)	All the above
82	Consider the following statements:	- /	
o <b></b>	(a) All the ova carry X chromosome	- 1	1/
	(b) Only half of the sperms carry X chromosome		
	Which of the statements given above is/are correct		ALL C
	(A) (a) only	(B)	(b) only
	(C) Both (a) and (b)	(D)	None of them
	M	11	7.0
83.	The main ingredient of the semen diluents protecting	_	
	(A) Tri sodium citrate	` ′	Potassium chloride
	(C) Glycerol	(D)	Sodium bicarbonate
84.	The genes that control quantitative traits are know	m ac ·	
07.	(A) Multiple allele		Multiple genes
	(C) Epistatic genes		Hypostatic genes
	(S) Epistulie genes	(2)	Tijposaate genes
85.	The correlation between reproduction efficiency an	nd lac	tation parameters is :
	(A) Very low	(B)	Very high
	(C) One	(D)	Above one
86.	The formula for correcting the fat corrected milk yi	eld is	:
	(A) 0.4 (Total fat yield) + 15 (Total milk yield)		
	(B) 0.4% (fat %) + 15 (Total milk yield)		
	(C) 0.4 (Total milk yield) + 15 (fat %)		
	(D) 0.4 (Total milk yield) + 15 (Total milk yield)		
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87.	Superiority of the selected animals to be the parent		_
	(A) Selection differential		Selection intensity
	(C) Selection index	(D)	Selection pressure
88.	Consider the following statements with respect to se	electi	ion:
	(a) Fewer the traits under selection slower the pro-	ogres	s.
	(b) Individual selection is ideal for traits with high h		bility.
	Which of the statements given above is/are correct	?	
	(A) (a) only	(B)	(b) only
	(C) Both (a) and (b)	(D)	None of them
89.	Consider the following statements with respect to in	ıbree	ding:
	(a) The main genetic consequence of inbreeding is	s incr	ease in heterozygocity.
	(b) Inbreeding decreases pre potency.		7.70
	Which of the statements given above is/are correct	?	
	(A) (a) only	(B)	(b) only
	(C) Both (a) and (b)	(D)	None of them
90.	Ketosis is a disease of ruminants caused by impairm	nent	of metabolism of :
	(A) Protein	(B)	Carbohydrates and volatile acids
	(C) Protein and carbohydrates	(D)	Carbohydrates and minerals
91.	Hepato intestinal form of schistosomiasis in cattle	is cau	used by :
	(A) Schistosoma indicum		Schistosoma nasale
	(C) Schistosoma annulata		All the above
92.	Which of the following chemicals is generally used	for de	ehorning in calves ?
	(A) Sodium bicarbonate		Sodium carbonate
	(C) Caustic potash	(D)	Magnesium chloride
	6:3		
93.	Which of the following is a rickettsial disease in cat	tle?	
	(A) Anaplasmosis	(B)	Coccidiosis
	(C) Theileriosis	(D)	Babesiosis
	4		
94.	In metabolic acidosis, blood pH falls due to:		
	(A) Increased carbonic acid	(B)	Decreased bicarbonates
	(C) Increased Lactic acid	(D)	Decreased potassium hydroxide
95.	Most ideally, FMD suspected sample should be co-	llecte	ed in :
	(A) Formal saline 10%	(B)	Formaline 10%
	(C) Glycerine 50%	(D)	Alcohol 70%

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96.	Haemolytic anaemia is caused by:						
	(A) Coccidia	(B)	Anaplasma spp.				
	(C) Proteus spp.	(D)	Hemouchus				
97.	Phlebitis is the inflammation of:						
	(A) Artery	(B)	Vein				
	(C) Lymph vessel	` ′	Capillary				
98.	Consider the following statements with respect to rigor mortis:						
	(a) It appears quickly in case of animal died due						
	(b) Is enhanced by starvation and cold before th	-	100				
	Which of the statements given above is/are correct		<20.00				
	(A) (a) only		(b) only				
	(C) Both (a) and (b)		None of them				
00	The test/s used for detecting mastitis in cattle:		22 22				
<b>77.</b>	(A) Hotis test	( <b>D</b> )	Bromothymol blue test				
	(C) White side test		All of them				
	(C) White side test	(D)	All of them				
100.	Parasitic cirrhosis is caused by:	- 1					
	(A) Hemonchus sp.	(B)	Ascaris lumbricoides				
	(C) Amphistomes	(D)	Fasciola sp.				
101	Will an and the line of the li	hi	ALL C				
101. With respect to diagnosis of rabies, consider the following:							
	(a) Absence of negri bodies confirms that the an	-					
	(b) Habel's mouse inoculation test is less accura		n negri bodies detection.				
	Which of the statements given above is/are correct	3.7	4) 1				
	(A) (a) only	(B)	(b) only				
	(C) Both (a) and (b)	(D)	None of them				
102. Most common site of calculi lodgement in bullock is:							
	(A) Pelvic urethra	(B)	Sigmoid flexure				
	(C) Neck of the bladder	(D)	Tip of urethra				
102 '	The harmone that is mimorily manageible for the	anaat o	forming activity and muhamtria				
105.	The hormone that is primarily responsible for the C						
	(A) FSH		Progesterone				
	(C) Estrogen	(D)	Lutenizing hormone				
104. Progeny testing programme is done for the selection of:							
	(A) Progeny	(B)	Sire				
	(C) Dam	(D)	Both Sire and Dam				
	-						
	-						

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105.		sider the following statements with respect to E		•		
	(a)	It is caused by virus belonging to genus orbivir	us of	Reoviridae family.		
	(b)	It is transmitted by culicoides species of biting	midg	ges.		
	Which of the statements given above is/are correct?					
	(A)	(a) only	(B)	(b) only		
	(C)	Both (a) and (b)		None of them		
106. Heritability values ranges from:						
	(A)	0 to 1	(B)	-1  to  + 1		
	(C)	1 to 100	(D)	2 to 4		
107.	Prin	nary energy source in ruminants :		4		
	(A)	Acetic acid	(B)	Propionic acid		
	(C)	Butyric acid		Lactic acid		
				535		
108.	Ghee	e contains fat percentage of:		JE 6 77		
	(A)	46 %	(B)	99 %		
	(C)	20 %	(D)	16 %		
			1			
109.	Milk	c pasteurization is done at temperature of:	- 1	11/		
	(A)	110 degree for 15 min	(B)	45 degree for 15 min		
	(C)	72 degree for 15 seconds	(D)	99 degree for 30 min		
		4.0		ALL S		
110.		st potent green house gas produced by ruminan				
		CO <sub>2</sub>		$H_2S$		
	(C)	$O_2$	(D)	CH <sub>4</sub>		
111	Eage	l conversion retio is highest in .	-71			
111.		l conversion ratio is highest in :	(D)	Doulter		
	(A)	A		Poultry		
	(C)	Sheep	(D)	Goats		
112	Stiff	lamb disease in sheep is caused by :				
112.		Vitamin A deficiency	(B)	Vitamin B <sub>5</sub> deficiency		
		Vitamin B <sub>6</sub> deficiency		Vitamin E deficiency		
			(2)	· ranimi z domoronoj		
113.	Blin	d staggers is noticed in horses due to:				
		Vitamin B <sub>2</sub> deficiency	(B)	Selenium toxicity		
		Vitamin E toxicity		Copper poisoning		
	` /		` /			
114.	Dou	ble toned milk contains :				
	(A)	3% fat and 9% SNF	(B)	1.5% fat and 9% SNF		
		3% fat and 8.5% SNF	` ′	1.5% fat and 8.5% SNF		
	466					
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			_			

## 115. Swine influenza is caused by:

(A) H5N1

(B) H1N1

(C) H2N7

(D) H5N7

## 116. Linkage between two adjacent nucleotides is:

(A) Phospho diester bond

(B) Hydrogen bond

(C) Phosphate bond

(D) Water bond

## 117. Synthesis of RNA from DNA is known as:

(A) Translation

(B) Transduction

(C) Transcription

(D) Transformation

## 118. Hormone responsible for ovulation is:

(A) Prolactin

(B) Estrogen

(C) LH

(D) PGF<sub>2</sub> alpha

#### 119. Actino bacillosis affects:

(A) Hard tissues

(B) Soft tissues

(C) Skin

(D) Horns

#### 120. Principal volatile fatty acid produced in rumen is:

(A) Acetic acid

(B) Propionic acid

(C) Butyric acid

(D) Lactic acid



# **ROUGH WORK**



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