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COMBINED COMPETITIVE (PRELIMINARY) EXAMINATION, 2012

Serial No.

ANIMAL HUSBANDRY AND 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.

Your Roll No.	

- 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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TDC-41584-A

ROUGH WORK

TDC-41584-A

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	(C) Favus	(D)	Fowl typhoid	
	(A) Fowl cholera	(B)	Chronic respiratory disease	
10.	Pasteurella multocida in poultry cau	ses:		
	(C) Big head	(D)	Bacillary hemoglobinurea	
	(A) Black leg	(B)		
9.	In sheep, Closridium perfringens typ	e C ca	uses:	
	(C) Jamunapari	(D)	Nubian	
	(A) Barbari		Changithangi	
8.	Which is Pashmina goat breed?	<i>(</i> =)		
	(C) Pharyngeal paralysis	(D)	All of these	
	(A) Faulty drenching		Rupture of pharyngeal abscess	
7.	Aspiration pneumonia may occur as			
	(C) Minarca	(D)	Ancona	
	(A) Sussex	` ′	R.I.R.	
6.	Four toe table bird breed is:			
	(C) 300 lakhs	(D)	340 lakhs	
	(A) 160 lakhs	` /	240 lakhs	
	production ?			
5.	If a farmer has one lakh white legh	orn bi	rds, then what would be the annual egg	
	(C) 32%	(D)	57%	
	(A) 16%	` ′	23%	
4.	Which percent of world cattle popul	ation I	ndia has ?	
	(C) Both of above	(D)	Mixed crop production	
	(A) Crop production		Animal production	
3.	In mixed farming, which of the follow	Ŭ		
	(C) 40%	(D)	60%	
	(A) 10%	` ′	20%	
2.	The contribution of draught animals		1	
_		. , ,		
	(C) 43%	` ′	54%	
	(A) 20%		25%	
1.	The contribution of buffaloes to total	l milk	production in India is:	

11.	Dipl	oid chromosome number in Indian	buff	alo is:
	(A)	48/50	(B)	60
	(C)	54	(D)	38
12.	whice (i) (ii) (iii) (iv)	Testing more bulls on fewer daug Testing few bulls on large numbe Characteristics under selection be Characteristics under selection be ect correct answer using the codes	ald deghters or of mod high	daughters. erately heritable. ly heritable.
	(A)	(i) and (iv)	(B)	(i) and (iii)
	(C)	(ii) and (iv)	(D)	(ii) and (iii)
13.	(A)	ch one of the following is responsible. Friesian × Sahiwal Jersey × Friesian	(B)	or derivation of Australian milking zebu ? Jersey × Sahiwal Brown Swiss × Red Sindhi
14.		ch one of the following breeds of everal kids at a time ?	indig	enous goats is most prolific giving birth
	(A)	Jamunapari	(B)	Barbari
	(C)	Black Bengal	(D)	Beetal
15.		hod of estimating breeding value/grees offspring is called as:	enetio	c value of an animal by the performance
	(A)	Sib test	(B)	Progeny test
	(C)	Pedigree test	(D)	Individual selection
16.	(i) (ii) (iii)	Economic importance of each trait. The phenotypic and genetic relation. The heritability of each trait. These statements,	it.	ch the selection index can be formulated: etween the traits.
		(i) alone is correct	(B)	(i), (ii) and (iii) are correct
		(i) and (iii) are correct		(ii) and (iii) are correct
17.	for 1	milk production ?		id to be the pride of India and is famous
	(A)	Barbari	(B)	Beetal
	(C)	Sirohi	(D)	Jamunapari
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	` ′	—100 ml	` ′	5—10 ml	
<i>2</i> 6.		ume of one time semen ejacula 0—200 ml		boar 1s: 200—500 ml	
26					
	` ′	n, iodine and vit. C	` ′	iodine, iron and riboflavin	
25.		a poor source of:			
	(C) Fra	nce	(D)	Spain	
24.	Dorset b (A) Am	reed of sheep is native of :	(B)	England	
	(D) Bre	eed of buffalo in China			
		ian cattle as known in Europe			
		ck of sheep opean cattle			
23.		n 'Zebu' means :			
	(C) 100	0-130 days	(D)	130-160 days	
	(A) 60-	• •		90-100 days	
22.	A norma	al dry period of cow should be	:		
	(C) Yor	kshire	(D)	Berkshire	
	(A) Her	<u> </u>		Landrace	
21.	Which o	f the following is the Danish b	oreed	of swine ?	
	(C) Ang	gora	(D)	Surti	
	(A) Bee	· ·		Black Bengal	
20.	Which o	f the following is an exotic br	eed r	of goats?	
	(C) A r	ribose sugar, nucleoside and phoucleoside and phosphate group	osph	ate group	
		phosphate group and ribose sugar	ar		
19.	·	a nucleotide contains: nucleoside and ribose sugar			
10			(D)	Red Sindin	
	(A) Han (C) Tha	ryana arparker	` ′	Ongole Red Sindhi	
18.	Which o	ne of the following Indian bree	eds o	of cattle gives the highest milk yield?	

27.	Normal average pH of bull semen vari	ies fr	om:
	(A) 6.6—6.7	(B)	6.7—6.9
	(C) 6.9—7.1	(D)	7.1—7.3
28.	When abortion occurs in trichomonias	is in	animals ?
	(A) In early pregnancy	(B)	In middle pregnancy
	(C) In late pregnancy	(D)	None of the above
29.	The thawing time of frozen bull semen	n is:	
	(A) 30 seconds	(B)	30 minutes
	(C) 3 seconds	(D)	1 minute
30.	Knobbed defect of bull sperm is the d	efect	of:
	(A) Mid piece	(B)	Tail
	(C) Acrosome	(D)	Head
31.	Duration of heat in sheep is		
	(A) 15—20 hours	(B)	20—24 hours
	(C) 30 hours	(D)	None of the above
32.	Ratio of semen and dilutor in horse is	:	
	(A) 1:1	(B)	1:2
	(C) 1:4	(D)	1:6
33.	Length of artificial vagina for bull to	collec	et semen is:
	(A) 20—30 cm	(B)	30—40 cm
	(C) 40—50 cm	(D)	50—60 cm
34.	Milk is a good source of:		
	(A) calcium and vitamin K		
	(B) vitamin A and calcium		
	(C) nicotinic acid, calcium and vitam	in D	
	(D) vitamin B ₂ , vitamin D and nicoti	nic ac	eid
35.	Cyanoglycoside poisoning in sheep is	due t	0:
	(A) abrin	(B)	digitalin
	(C) amygdalin	(D)	coumarin
36.	The 'Dag defect' of spermatozoa is gr	_	
	(A) Primary abnormalities	(B)	•
	(C) Miscellaneous abnormalities	(D)	None of the above
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37.	The fertile life span of sperm and ova (A) 30—40 and 20—24 hours, respe		•	
	(B) 24—72 and 8—10 hours, respec	•	y	
	(C) 30—36 and 6—8 hours, respecti	_		
	(D) 72—120 and 6—8 hours, respect	•		
38.	The range of temperature in artificial	vagin	a for bulls is :	
	(A) 35—40°C	` /	42—46°C	
	(C) 46—50°C	(D)	50—54°C	
39.	During artificial insemination in cow	the se	emen is deposited in :	
	(A) Mid cervix uteri	(B)	Body of uterus	
	(C) Uterine horn	(D)	Vagina	
40.	Minimum number of sperms used for	artifi	cial insemination in cow:	
	(A) 01 million	(B)	02 million	
	(C) 05 million	(D)	10 million	
41.	The cotton seed cake is not suitable f	or fee	eding calves as it contains:	
	(A) Aflatoxin	(B)	Gossypal	
	(C) Ricin	(D)	Hydrocyanic acid	
42.	Feeding extra concentrate to pregnant	sheep	o is known as :	
	(A) Flushing	(B)	Steaming up	
	(C) Holding	(D)	Grazing	
43.	Maximum amount of Nitrogen is in:			
	(A) Groundnut cake	(B)	Compost	
	(C) Poultry manure	(D)	Mustard cake	
44.	Pusa giant Napier grass and paddy str	aw co	ontain metal-binding substances called :	
	(A) Phosphates	(B)	Sulphates	
	(C) Oxalates	(D)	Carbonates	
45.	On dry matter basis, berseem leaf cor	ntains	crude protein :	
	(A) 23%	(B)	15%	
	(C) 10%	(D)	5%	
46.	Moisture percent in good silage must	be:		
	(A) 30—40%	(B)	50—60%	
	(C) 40—50%	(D)	60—70%	
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	(C) 6 to 7%	(D)	4 to 5%
	(A) 8 to 9%		9 to 10%
56.	Maximum amount of crude fibre in la	yer ra	ation should be :
	(C) 1 month	(D)	20 days
	(A) 6 months	` ′	3 months
55.	Extra feeding to pregnant cow should	be do	one after :
	(C) 30%	(D)	40%
	(A) 15%	. ,	25%
54.	What should be the maximum moistur	•	·
<i>5</i> 1	•	, ,	
	(C) Chlamydia	` ′	None of the above
- - •	(A) Rabies virus	(B)	Mycoplasma
53.	"Mad cow disease" is caused by:		
	(C) 31.25%	(D)	41.25%
	(A) 11.25%	(B)	21.25%
	be:		
52.	If a mustard cake sample contains 5 pe	rcent	nitrogen, its crude protein content would
	(C) Stomatostin	(D)	Insulin
	(A) Calcitonin	, ,	Glucagon
51.	•		
	(0) 10—10/0	(D)	10-20/0
	(A) 10—12% (C) 16—18%	` ′	12—15% 18—20%
50.	The ration of a young bull must conta (A) 10—12%		percent TDN however DCP should be
50	The rotion of a voyer hull must sente	in 60	paraont TDN havvayar DCD should be
	(C) Chief cell	(D)	Parietal cell
	(A) Plasma cell	(B)	Mast cell
49.	Heparin is secreted by:		
	(C) 36%	(D)	49%
	(A) 16%	. ,	25%
48.	What would be the crude protein cont	ent of	f a feed stuff containing 4% nitrogen?
	(C) 1035 than 1070	(D)	1055 than 1770
	(A) more than 18%(C) less than 16%	` '	less than 18% less than 14%
4/.	Roughages are those feeding stuffs wh		•
17	Roughages are those feeding stuffs wh	ich c	ontain crude fibre on air dry basis :

57.	(A) 40% concentrate + 60% roughag(B) 50% concentrate + 50% roughag	ge ge	fed to lactating cow in proportion of:	
	(C) 60% concentrate + 40% roughag(D) 70% concentrate + 30% roughag			
58.	Net gain of ATP from one molecule	of gluc	cose is :	
	(A) 36 mole	(B)	38 mole	
	(C) 40 mole	(D)	None of the above	
59.	In animal nutrition, total energy is ex	presse	ed as:	
	(A) ATP	(B)	K Cal.	
	(C) AMP	(D)	Creatine phosphate	
60.	In daily dry matter requirement of ca	ttle pe	er 100 kg body weight is:	
	(A) 5.0 to 7.0 kg	(B)	3.5 to 4.5 kg	
	(C) 2.0 to 2.5 kg	(D)	1.0 to 1.5 kg	
61.	Age of castration of a bull is:			
	(A) 1.0 year	(B)	1.5 year	
	(C) 2.0 year	(D)	6 months	
62.	Goat meat is known as:			
	(A) Veal	(B)	Chevon	
	(C) Mutton	(D)	Pork	
63.	Castration in female calves is called	:		
	(A) Sterilization	(B)	Teasure	
	(C) Vasectomization	(D)	Spaying	
64.	Purkinje cells are present in:			
	(A) Sub-endocardium	` ′	Myocardium	
	(C) Cerebellar cortex	(D)	Cerebral cortex	
65.	The optimum age for castration of a	•		
	(A) 2 months	` ′	6 months	
	(C) 9 months	(D)	1 year	
66.	Area required in cage system for layer			
	(A) 1.0 sq. ft.	(B)	-	
	(C) 0.75 sq. ft.	(D)	2.00 sq. ft.	
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67.	A double row dairy byre (60 \times 10 mt)	can	house animals:
	(A) 50	(B)	100
	(C) 200	(D)	300
68.	How much water a cow requires for p	roduc	cing one litre milk ?
	(A) 2—4 litres	(B)	4—5 litres
	(C) 5—10 litres	(D)	10—12 litres
69.	Hormone oxytocin is released from:		
	(A) Anterior pituitary	(B)	Posterior pituitary
	(C) Adrenal medulla	(D)	Adrenal cortex
70.	The precursor of a plasma cell is:		
	(A) B cell	(B)	T cell
	(C) NK cell	(D)	Macrophage
71.	Aldosterone is released from:		
	(A) Kidney	(B)	Liver
	(C) Pancreas	(D)	Ovary
72.	The bull shed should have covered an	open	area respectively:
	(A) 4 sq. m. and 8 sq. m.	-	6 sq. m. and 12 sq. m.
	(C) 9 sq. m. and 50 sq. m.		12 sq. m. and 120 sq. m.
70			-
73.	1 1		•
	(A) 10—15 litres	` /	20—25 litres
	(C) 30—35 litres	(D)	40—45 litres
74.	Age of a crossbreed heifer at first calv	ving s	should be:
	(A) 20—24 months	` ′	24—30 months
	(C) 36—40 months	(D)	3—4 years
75.	The optimum body weight of a crossb	reed	heifer at first mating should be:
	(A) 180 kg	(B)	250 kg
	(C) 400 kg	(D)	480 kg
76.	The temperature of cow in milk fever	is:	
	(A) 30°C	(B)	38°C
	(C) 42°C	(D)	45°C
77.	Select the medicine for curing ketosis	:	
	(A) Boric acid	(B)	Sodium chloride
	(C) Sodium propionate	(D)	Sodium carbonate
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	(C)	Cattle	(D)	Goat	
	(A)			Swine	
86.	Blue	e tongue vaccination is most esse	ential fo	or:	
	(C)	Johne's disease	(D)	Anthrax	
	(A)	Campylobactor	(B)	Brucella abortus	
85.	Abo	rtion in the last trimester of preg	gnancy	in cows signifies infection with:	
	(D)	Both mesogenic and lentogenic	strains	of the virus	
	(C)	· ·	, .	6.4	
	(B)	Lentogenic strain of the virus			
	` ′	Mesogenic strain of the virus			
84.		d outbreak of Ranikhet disease in	n poulti	ry in India is caused by :	
	(C)	2070	(D)	TO /0	
	(A)	20%	()	10% 40%	
		al isolation at the rate of:	(D)	100/	
83.		_	of bruc	rellosis in cattle needs carbon dioxide for	
	(C)	Pseudomonas aureoginosa	(D)	Morexella bovis	
	` ′	Coxiella burnetti		Salmonella paratyphi Moravella boyis	
82.	_	fever is caused by:	(D)	C-111 (1 '	
			` /		
	` /	Excess of fluorine in water	` /	None of the above	
J1.		Excess of iodine in water	(B)	Excess of chlorine in water	
81.	Britt	tle bones are caused by:			
	(C)	Ringworm	(D)	Pseudorabies	
	(A)	Scabies	(B)	Scrapie	
		ptoms is seen ?			
80.	In v	which of the following diseases	of she	ep intense pruritus along with nervous	
	(C)	Ascariasis	(D)	None of the above	
		Fowl pox	` ′	Coccidiosis	
79.		ch one of the following poultry		_	
	(C)	THOI	(D)	None of the above	
	` ′	Virus Prion	` ′	Bacteria None of the above	
/8.		cow disease is due to:	(D)	P	
70	3 / 1	1			

87.		on ulcers observed near 'iliocecal veation of:	alve'	in pigs on post-mortem examination are
	(A)	Hog cholera	(B)	African swine fever
	(C)	Vitamin A deficiency	(D)	Rinderpest
88.	Norr	nal pulse rate (per minute) of pig	is:	
	(A)	40—50	(B)	50—70
	(C)	60—90	(D)	80—110
89.	'Asc	olis Test' is used for diagnosis of	the d	isease :
	(A)	Anthrax	(B)	Brucellosis
	(C)	Johne's disease	(D)	Leptospirosis
90.	Barb	one disease is called as:		
	(A)	Haemorrhagic septicaemia	(B)	Black quarter
	(C)	Anthrax	(D)	Rabies
91.	Blac	k disease is caused by:		
	(A)	Bacillus anthracis	(B)	Clostridium novyi
	(C)	Brucella abortus	(D)	Escherichia coli
92.	Sple	nomegaly in cattle occurs in:		
	(A)	Foot and mouth disease	(B)	Haemorrhagic septicaemia
	(C)	Anthrax	(D)	Brucellosis
93.	Whi	ch one of the following is not a m	ethod	l of disease control ?
	(A)	Hansa method	(B)	Ostertage method
	(C)	Bang method	(D)	Lancini method
94.	Rigo	or mortis is absent in the disease:		
	(A)	Anthrax	(B)	Brucellosis
	(C)	Haemorrhagic septicaemia	(D)	Tetanus
95.	Milk	tetany occurs due to deficiency o	f :	
	(A)	Colostrum	(B)	Calcium
	(C)	Magnesium	(D)	Sodium
96.	Dagı	nala disease is caused by excess or	f whi	ch of the following elements ?
	(A)	Sodium	(B)	Arsenic
	(C)	Copper	(D)	Selenium
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		Parafilaria bovicola	(D)	Habronema muscae	
107.		ch one causes Bursattee disease ? Oxyuris equi	(B)	Thelazia lachrymalis	
	, ,	Setaria	(D)	Fasciola	
	` /	Thelazia	(B)	Oxyuris	
106.		ch one is an eye worm?	, <u> </u>		
	(C)	Oxyuris	(D)	None of the above	
	` ′	Thelazia	` ′	Setaria	
105.	Whi	ch one is a parasite of anus?			
	(C)	Renal failure	(D)	All of the above	
	, ,	Lactic acidosis	` /	Keto-acidosis	
104.		most common cause of metabolic			
	(0)		(2)	1.2.12.	
	` ′	P.P.R.	` ′	I.B.R.	
103.		which of the following disease, nass F.M.D.		H.S.	
102	т	1:1 64 611 : 1:	1		
	(C)	Strip cup test	(D)	Card test	
		Ascoli's test		Strauss reaction	
102.	Whi	ch one of the following is a diagn	ostic	test for brucellosis ?	
	(C)	Foot and mouth disease	(D)	Colibacillosis	
		Bovine farcy	` ′	Bovine viral diarrhoea	
101.		ked mouth appearance may be obs	erved	l in:	
	(0)	o montais	(D)	o years	
	, ,	6 months	` /	6 years	
100.	_	for vaccination in cattle for Bruce 6 days		6 weeks	
100	A	f	11 ! .		
	(C)	Toxicity		Infectious disease	
		Metabolic disease		Deficiency disease	
99	Whi	ch kind of disease is limber neck	9		
	(C)	Post parturient paresis	(D)	Milk fever	
	(A)	Ketosis	(B)	Filariasis	
98.	Whi	ch of the following is not a metab	olic (disease ?	
	(C)	Copper	(D)	Sodium	
		Phosphorus	` ′	Iron	
97.	Defi	ciency of which element is the cau	ise o	f post parturient Haemoglobinuria ?	

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	(C)	Both of the above	(D)	None of the above		
	(A)	Faecal contamination	(B)	Industrial waste contamination		
116.	The	presence of streptococcus faecalis	in dr	inking water indicates:		
	(C)	Both of the above	(D)	None of the above		
		Degradable organic matter		Non-degradable organic matter		
	of:		(E)			
		mical Oxygen Demand (COD) test	of wa	ater is done for estimation of the amount		
	, ,					
		Sertoli cells		Leydig cells		
		Primary spermatogonium	(B)	Secondary spermatogonium		
114.	The	endocrine cells of testis are :				
	(D)	All of the above				
	(C)	Permanent hardness due to magne	esium			
	(B)	Temporary hardness due to magne	esium	L		
	(A) Temporary hardness due to calcium					
113.	Trea	tment of hard water with slaked li	me re	esults in the removal of :		
	(C)	Sulphur dioxide	(D)	None of the above		
	, ,	Free carbon-dioxide	` '	Oxygen		
112.		water has solvent action on lead		•		
	\ = /		(')	i r		
		Swine fever		Leptospirosis		
		Rinderpest		Haemorrhagic septicaemia		
111. Which one of the following is a zoonotic disease?						
	(C)	Tuberculosis	(D)	Black quarter		
	(A)	Brucellosis	(B)	Anthrax		
110.	O. Which of the following is not a zoonotic disease ?					
	(C)	Lime	(D)	Washing soda		
		Phenyle		Potassium permanganate		
109.	9. A common but effective disinfectant for water trough of cattle farm is:					
		_	` ′	<u> </u>		
		55 mg	` '	110—120 mg		
		10—20 mg		20—50 mg		
108.	Whi	ch one is normal dose per kg body	wei	ght of piperazine?		

117. The most commonly used chemical for water purification is :					
(A)	Copper sulphate	(B)	Bleaching powder		
(C)	Alum	(D)	Iodine		
118. The correct method to dispose of solid refuse from animal house is					
(A)	Manure preparation	(B)	Conversion into energy		
(C)	Both of the above	(D)	None of the above		
119. The complete removal of infectious organism is :					
(A)	Prevention	(B)	Control		
(C)	Eradication	(D)	Quarantine		
120. Qu	arantine for cattle is done for :				
(A)	90 days	(B)	15 days		
(C)	10 days	(D)	7 weeks		

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