139.	in p	este des petits ruminants							
		High fever, dullness, nostril on the first da		serious discharge fro	m the eye and				
		II. Necrotic lesions devel	op in the mout	h on second day					
	200	III. Diarrhoea develops of	n fourth day						
		IV. Dyspnoea and cough	ing occur later.						
	of t	hese							
	A)	l and II are correct	B)	I, II & III are correct					
	C)	II, III & IV are correct	· D) ·	All are correct.					
140.	Which type of Anthrax is common in human being?								
	A)	Cutaneous form	B)	Pulmonarysform					
	C)	Intestinal form	D)	Reproductive form.					
141.	Wo	rld Zoonosis Day is							
	A)	6th July	B)	6th June					
	C)	6th August	D)	6th September.					
142.	The	main route of infection in M	falta fever is						
	A)	vertical	B)	venereal					
	C)	introgenic	D)	ingestion.	60				
143.	The	immunosuppressive diseas	e of drugs is						
	A)	Rabies	B)	Canine parvo					
	C)	, Canine distemper	D)	Bruceliosis.					
. 144.	Wei	l disease is		65					
100	A)	Anthrax	, B)	Leptospirotis					
	C)	Black quarter	D)	Brucellosis.					
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145.	Which one of the following lesions is not related to hog cholera?									
	A)	Button ulcers in intestine	B)	Zebra marking in intestine						
	C)	Turker egg appearance of kidney	D)	Infarction in spleen.						
146.	Liqu	Liquefaction necrosis is most commonly seen in the								
	A)	Heart	B)	Brain						
	C)	Kidney	D)	Lung.						
147.	Con	nsider the following statements :		(30)						
	Ass	sertion (A): Amyloid is a protein pr	oduced	by Antigen-Antibody reaction.						
	Rea	uson (R): It is common among h	orses.							
	Nov	w select your answer according to the	ne codin	g scheme given below :						
	A)	(A) is true, but (R) is false								
	B)	(A) and (R) are false	0. 2							
	C)	(A) and (R) are true and (R) is the	correct	reason for (A)						
	D)	(A) and (R) are true, but (R) is the	not co	rrect reason for (A).						
148.	Epi	theloid cells arise from		7 N. M.						
	A)	Lymphocytes	B)	Macrophages '						
	C)	Plasma cells	D)	Neutrophils.						
149.	Wh	ich of the following is not the exoge	nous pi	gmentation?						
	A)	Anthracosis	B)	Stlicosts						
	C)	Siderosis	D)	Byssinosis.						
150.	Wh	ich one of the following is not the co	ompone	nt of pus ?						
	A)	Neutrophils	B)	Necrotic tissue						
	C)	Irritant	D)	RBCs.						
151.	Gra	edual cooling of the body after death	ı is calle	ed						
	A)	Rigor mortis	В) .	Livor mortis						
	C)	Algor mortis	D)	None of these.						
x 200	517	· ·	20000	(4)						

152	"Zel	bra st	ripping	" haen	orrhage in la	irge intesti	ine is characteris	stic of	
	A)	Rino	ier pes	t		B)	Brucellosis		
	C)	FMI	)			D)	None of these.		
153	Bur	sitis i	n anim	als lea	ds to				
	A)	Gon	ítis			B)	Hygroma and c	apped elbow	
	C)		ritis			D)	Ostcitis.		
					35 55900				
154.			st I con	rectly	with List II	and select	your answer us	ing the codes	given
	belo	w:					25 - 22		
		V 18	List	I			List II		
		a)	Osteo	clasto	ma	1.	Basal cell tumo	ur	
100		b)	Насп	angiop	ericytoma	2.	Masculinizing t	umour	
		c)	Arrhe	noblas	toma	3.	Egg shell crack	ling tumour	
	9	d)	Roder	nt or J	acob's ulcer	4.	Fingerprint tun	iour	
188	Cod	es:				81			
		а	ь	c	d				
	A)	3	4	2	1	3.0	11 20		
							25		13
	B)	3	4	1	2				
	C)	2	1	4	ż				
•	D)	1	4	2	3.				
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155. Match List I correctly with List II and select your answer using the codes given

	belo	w the	lists :					
			List	I			List II	
		a)	Sawd	ust Live	er	1.	Erystpelas species	
		b)	Rachi	cele		2.	Diabetes mellitus	
		c)	Veget	ative E	ndocarditis'	3.	Focal necrosis	
		d)	Polyu	ria		4.	Hernia of spinal cord	
	Code	es:	82					
		а	ь	c	ď			
	A)	1	4	3	2			
	B)	3	1	2	4			
	C)	3	4	2	1			
	D)	3	4	1	2.			25
156.		mat oninį		o be o	collected from	n the su	spected cases of sod	ium chloride
		I.	Whole	Blood				
		II.	Brain					2
		III.	Stoma	ch con	tents	100	₩	10
		IV.	Hair.					
	oft	hese						
	A)	1 & 1	III are c	orrect		B)	II & III are correct	
	C)	1. II	& III ar	e corre	ct	D)	All are correct.	
157.	Med	lium	which i	s suita	ble for the gr	owth of a	specific organism is ter	med as
	A)	Sele	ctive m	edium		B)	Minimal medium	
	C)	Con	nplete n	nedium	E	D)	None of these.	
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158.	Whic	h of the following antibo	dies is called as	secretory antibody?	
	A)	IgG	B)	1gA	
	C)	lgE	D)	lgM.	
159.		onella species reveals de Sugar Iron Agar) tes		owing cultural chara	ecters on TSI
	A)	Red colour slant	ъ В)	Yellow colour butt	
	Cì	H <sub>2</sub> S production	D)	All of these.	
160.		h one of the following a ne production ?	gents is used to i	nactivate the rabies v	irus in rabies
	A) -	Formalin	B)	Zinc oxide	
	C)	Beta propiolactone	D)	Heat inactivation.	
161.	Shap	e of the rables virus is		a v	
	A)	Brick	B)	Bullet	
	C)	Oval	D)	Spherical.	
162.	Lyop	hilisation of bacteria is	attained by which	of the following?	6)
	A)	Freezing	B)	Freeze drying	
	C)	Chilling	D)	Drying.	
163.	Matu	re antibody-producing	cells are called		
	A)	Histocytes	B)	T-cells	
	C) [	Neutrophils	D)	Plasma cells.	
164.	The t	olue tongue in sheep & g	oat is caused by		
	A) '	Orbivirus	B)	Morbilli virus	å.
13	C)	Parapox virus	D)	Retrovirus.	
. 165.	The	extracellular infectious v	irus particle is ca	illed	
	A)	Virion	B)	Elementary body	
	C)	Viropox	D)	Viriods.	
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166.	Imn	nunoglobulin class produced in	primary ir	nmune response is
	A)	Immunoglobulin G	B)	Immunoglobulin M
	C)	Immunoglobulin A	D)	Immunoglobulin E.
167.	A pa	arasite which produces barrel-sl	naped egg	with bipolar plugs is
	A)	Trichomonads	B)	Trichuris
	C)	Oxyurts	D)	Bunostomum.
168.	Cer	ebrospinal nematodiasis usually	occurs ir	1 '
	A)	Cattle	B)	Buffaloes
	C)	Sheep & Goats	D)	Equines.
169.	Ste	phanurus dentatus infection in p	igs is diag	gnosed by finding the eggs in
	A)	Urine	B)	Facces
	C)	Sputum	D)	Nasal discharge.
170.		ich of the following nematodes is life cycle ?	required	paratenic host for the completion of
	A)	Habronema megastoma	B)	Thelazia species
	C)	Spirometra mansonoides	D)	Spirocerca lupi.
171.	Bio	psy material required for diagno	sis of thei	leriosis is
	A)	Abomasum content	В)	Liver
	C)	Muscle	D)	Lymph nodes.
172.	The	definitive host for Taenia sagin	ata is .	ν.
	A)	Cattle	B)	Dog
	C)	Pig	D)	Man.
173.		of the following statements are	e true in	respect of hydatid disease in man
	A)	It occurs as a result of infection	n by Echli	nococcus granulosus .
	B)	Eggs in the dog's faeces is the	infective s	stage to man
	C)	Man is the definitive host an infected dog	d he acq	uired the infection by handling an
	D)	The metacestode form of Echin	ococcus g	ranulosus in man causes disease.
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174.	The	fly which is responsible for	the nasal myi	asis in sheep is .
	A)	Hypoderma bovis	B)	Musca domestica
	C)	Oestrus ovis	D)	Chrysomyla bezziana.
175.	The	ideal drug for the treatment	of liver fluke i	nfestation in cattle is
	A)	Rafoxamide	B)	Niclosamide
	C)	Albendazole	D)	Ivermectin.
176.	'Sh	eep nasal fly' is synonymicall	y called as	起 卷
	A)	Psoroptes Ovis	B)	Melophagus Ovis
	C)	Oestrus Ovis	D)	None of these.
177.	Тар	eworm infection is best prev	ented in dogs	and cats by
	A)	louse control	В)	flea control
	C)	improved hygiene	D)	proper cooking.
178.	Spti	rocerca lupi infection is assoc	iated with ost	eosarcoma and fibrosarcoma in the
	A)	Liver	B)	Brain
	C)	Lung	D)	Esophagus.
179.	Sad	idle curve temperature is the	characteristic	symptom of which disease?
33	A)	Canine distemper	<b>B</b> )	Rabies
	C)	Both (a) & (b)	D)	Infectious canine hepatitis.
180.	Jav	v and skull bone is affected in	which diseas	se?
	A)	John's disease	В)	Tuberculosis
	C)	Anthrax	D)	Actinomycosis.
181.	Thr	ush is caused by		
	(A)	Candida albicans	B)	Histoplasma farciminosum
	C)	Trichophyton magnini	D)	Hebronema.
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182.	Urir	ne of horse suffering from Azoturia	contain	s	
	A)	Haemoglobin	В)	Myoglobin	
	C)	Methaemoglobin	D)	Uric acid.	
183.	Flu	orosis is characterised by		N 88	
	A)	Dental lesion in cattle	. B)	Bony exostoses on the leg	
	C)	Mottling of teeth	D)	Overgrowth of the body.	
184.	The	common clinical feature in pigs s	uffering	from hypopantothenosis is	
	A)	Patchy alopecia & dermatitis	B)	Diarrhoea	
	C)	Weight loss	D)	Goose stepping gait.	
185.	Dys	sentery coupled with straining is the	ne chara	cteristic feature of	
	A)	Trichurtasis	В)	Anthrax	
	C)	John's disease	D)	Coccidiosis.	
186.	In p	oregnancy toxaemia condition of sl	heep, the	e suggestive treatment is	
	A)	Intravenous glucose injection			
	B)	Oral propylene glycol supplemen	itation		
	C)	Oral glycerol supplementation	-		
	D)	Any one of these.			
187.	Sto	rmont test is employed for diagnos	sis of		
36	A)	John's disease	В)	Tuberculosis	
	C)	Black quarter	D)	Haemorrhagic septicemia.	
188.	Imr	nunisation against black quarter i	s done	- W	
	A)	during summer months	B)	before onset of rains	
1	C)	during pregnancy	D)	at birth of the calf.	*
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100.	ma	uman	c pericarditis is associated	with with	en of the following :					
	A)	Pror	nounced leucocytes							
	B)	Pror	nounced leucocytes with n	eutrophilia	a					
	C)	Pror	nounced leucocytes with n	eutropenia	1					
	D)	Non	e of these.							
190.	Ent	eric fo	orm and myocardial form o	occur in w	hich disease?					
	A)	Infe	ctious canine hepatitis	B)	Canine distemper					
*	C)	Parv	o disease	· D)	Rabies.					
191.	In v	which	disease does Tonoclonic c	onvulsion	occur ?					
	A)	Stry	chnine poisoning	. B)	Tetanus					
	C)	. Epil	epsy	D)	All of these.					
192.	Dru	ig mol	ecules move across Biolog	ical memb	orane by					
		i.	Diffusion	151						
	1	ji.	Filtration							
	27	iii.	Carrier mediator transpo	ort						
	Of t	hese			*					
	A)	(i),	(ii) and (iii) are correct	B)	(i) and (ii) are correct					
	C),	(ii)	and (iii) are correct	D)	(i) and (iii) are correct.					
193.	Wh	Which of following statements is not true ?								
	A)	Tole	rance develops to all the a	ctions of a	drug					
	B)	Acul	te type of tolerance is know	vn as tach	yphytaxis					
	CI	Species variation may be responsible for tolerance								
	D)	Dow	n regulations of receptors	is an imp	portant mechanism for development					
		of to	lerance.							
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194.	Loca	d anesthetics										
	A)	prevent generation and propagation of impulses										
	B)	affect only myelinated fibre	s		8							
	C)	block calcium channels										
	D)	have sympathomimetic act	ions.									
195.		common Antioestrogenic	compound	used for the	treatment o	of canin						
	A)	Fluorogestone acetate	B)	Tamoxifen								
	C)	Delmadinone acetate	D)	Equilin.								
196.	The	ratio of Trimethoprim : Sulf	a in potentia	ited sulfa is								
	A)	1:1	B)	1:2								
	C)	1:4	D)	1:5.								
197.	Therapeutic index is calculated by using the formula											
	A)	LD 50/ED 50	B)	ED 50/LD.5	50							
	C)	LD 1/ED 99	D)	ED 1/LD 99	).							
198.	Calc	Calcium disodjum EDTA is the drug used in										
	A)	Copper poisoning	B)	Molybdenur	n poisoning							
	C)	Lead poisoning	D)	Mercury poi	soning.	(i)						
199.	Blind stagger is the toxicity condition due to											
	A)	Selenium	B)	Nitrates								
	C)	Molybdenum	. D)	Chromium.		75						
200.	Anti	zymotic action is seen with										
4	A)	Ginger	-B)	Turpentine	oil							
	C)	Gentian	D)	Tannic acid								

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## **VETERINARY SCIENCE**

Time Allowed : 3 Hours | [ Maximum Marks : 300

Read the following instructions carefully before you begin to answer the questions.

## IMPORTANT INSTRUCTIONS

- This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to
  open it at the commencement of the examination. As soon as the signal is received you should tear
  the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
- This Question Booklet contains 200 questions.
- Answer all questions.
- All questions carry equal marks.
- 5. The Test Booklet is printed in four series e.g. A B C or D (See Top left side of this page). The candidate has to indicate in the space provided in the Answer Sheet the series of the booklet. For example, if the candidate gets A series booklet, he/she has to indicate in the side 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows:

A [B][C][D]

- You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
- An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must
  write your Name. Register No. and other particulars on side 1 of the Answer Sheet provided, failing
  which your Answer Sheet will not be evaluated.
- You will also encode your Register Number, Subject Code etc.. with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fall to encode the above information, your Answer Sheet will not be evaluated.
- 9. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
- 10. In the Answer Sheet there are four brackets (A) B) (C) and (D) against each question. To answer the questions you are to mark with Ball point pen ONLY ONE bracket of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. If for any item. (B) is the correct answer, you have to mark as follows:

## [A] [C][D]

- 11. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
- 12. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
- 13. Do not tick-mark or mark the answers in the Question Booklet.

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1.	The	conception rate of cattle in	India by AI is	about					
	A)	40%	В)	70%					
	(C)	10%	D)	80%.					
2.	The	postmortem discolouration	of the carcass	s is called					
	A)	Rigor mortis	B)	Algor mortis					
	C)	Livor mortis	D)	All of these.					
3.	Sex	rual assault on animals is c	alled as	02					
	A)	Maiming	B)	Bestiality					
	C)	Brutality	D)	Cruelty.					
4.	The	request for postmortem ex	amination of v	eterolegal cases sho	uld be signed by				
	A)	Head of the Institution	В)	Police Inspector	3				
	C)	Magistrate	D)	Inspector or Magis	trate.				
5.	Under Prevention of Cruelty to Animals Act, 1960, penalty for practising phooka								
	or injecting any substance to improve lactation in milch animal is								
		I. fine up to Rs. 1,000/	-	9					
		II. imprisonment up to 2 years							
		III. the animal shall be for	orfeited to the p	government					
		IV. warning for the anim	al owner.						
	of t	hese statements							
	A)	I alone correct	B)	Il alone correct					
	C)	I, II & III are correct	D)	All are correct.	8				
6.	550	er 17th livestock census th	e crossbred ca	ttle population in Ta	amil Nadu is				
	A)	4·1 millions	B)	4-8 millions					
	C)	5·1 millions	D)	5.5 millions.					
F	402	- (2001)	(20000)		! Trem over				

7.		ge scale crossbreeding program ing the year	n was start	ted by ICAR with FAO and PL-480					
	A)	1963	B)	1967					
	C)	1960	D)	1969.					
8.	Key	village scheme for livestock im	provement	was launched during					
	A) .	1st Five-Year Plan	B)	2nd Five-Year Plan					
	C)	3rd Five-Year Plan	<b>D</b> )	4th Five-Year Plan.					
9.	Bes	tiality is punishable under the	Section						
	A)	Indian Penal Code 429	B)	Indian Penal Code 377					
	C)	Indian Penal Code 428	D)	Indian Penal Code 420.					
10.	Fra	ud in the sale of livestock is pu	nishable ur	nder the Section					
	A)	Indian Penal Code 484	B)	Indian Penal Code 193					
	C)	Indian Penal Code 269	D)	Indian Penal Code 420.					
11.	Which of the following animals has silent heat?								
	A)	Cow	B)	Buffalo					
	C)	Goat	D)	Sheep.					
12.	The	percentage of abnormal sperm	atozoa in a	normal bull should not exceed					
	A)	21 - 56%	B).	5 - 12%					
	C)	15 - 20%	D)	26 - 30%.					
13.	Mea	angeneral kapanga manana <del>n me</del> dia menanggan sa Man	f the indi	ividual candidate for selection is					
	A)	Performance testing	B)	Pedegree selection					
- 19	C)	Show ring selection	D)	Progeny testing.					
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14.	Pri	nary o	effect of	select	ion in	a popul	ation is	to	. 9	
	A)	mai	ntain c	onstan	t level	of popu	lation		100	
	B)	incr	ease th	e num	ber of	homozy	gote	7	125.0	
	C)	iner	ease th	e gene	freque	ency of	iestrable	e genes		
	D)	deci	ease h	eterozy	gosity					
15.	Mu	tation	in whi	ch one	base	replaced	by ano	ther base is ter	med	
	A)	Add	ition				B)	Deletion		
	C)	Tran	slocati	on			D)	Substitution		
16.	Pro	geny (	test is u	iseful f	or sele	ection of	0			
	A)	Sex	limited	trait			B)	Sex-influenc	ed trait	
	C)	Qua	litative	trait			D)	Sex-linked to	alt.	
17.	Mat	ing of	related	d anim	al is c	alled				
	A)	Out	-breedi	ng			B)	Inbreeding		
	C)	Ran	dom br	eeding		13	D)	Cross-breedi	ng.	
18.		ch Li ow:	st I wil	h List	II cor	rectly a	nd selec	t your answer	using the co	ies given
			1	List I				List II	i a	
	115	a)	Selec	tion re	spons	е	1)	Selection plat	eau	
		b)	Selec	tion di	ferent	tial	2)	A point above individuals ar		e
		c)	Selec	tion in	tensity	7	3)	Genetic gain		
		d)	Selec	tion lin	nit		4)	Standardised	selection diff	erential
		e)	Trun	cation	selecti	on	5)	Superiority of	selected par	ents
	Cod	es:								
		a.	b	c	d	e		75.1		
	A)	3	5	4	2	1			32	
	B)	4	5	3	2	1		92		
	C)	3	5	4	1	2				
	D)	3	4	5	2	1.		E 100	337	
								e.:		

19.	Tra	its of	economic importance in lives	tock are					
		I.	Quantitative traits						
		и.	Controlled by many genes		80				
		ш.	Greatly influenced by enviro	nment					
		IV.	Mostly affected by additive a	and non	-additive gene action.				
	Of t	hese		* 1	V so				
	A)	I, II	& III are correct	B)	II, III & IV are correct				
	C)	I, II	& IV are correct	D)	All are correct.				
20.	Cro	ss-br	ceding increases		20				
*	A)	Het	erozygosity	B)	Homozygosity				
	C)	Add	litive gene action	D)	Relationship.				
21.	Meat type sheep are selected based on the body weight at								
	A)	Thr	ee months	- B)	Six months				
	C)	Nin	e months .	D)	Twelve months.				
22.	Selection of individual on the basis of average performance of offspring is								
	A)	Ped	igree selection	B)	Individual selection				
*	C)	Pro	geny testing	D)	Family selection.				
23.	The	disti	inguishing feature between S	ahiwal a	and Red Sindhi is				
-	A)	Loo	se skin	B)	Lighter colour muzzle				
	C)	Red	ldish dun colour	D)	Massive hump.				
24.	The	limit	tation of feeding of paddy stra	w to ru	minant is/are				
	A)	Zer	o digestible protein content	B)	High lignin				
	C)	Hig	h oxalate	D)	All of these.				
x 20	001			20000	1				

25.	Wh	ich on	e of th	e follow	ing pairs	is not correc	tly matched?	
	A)	Cu	rled to	e paraly	/sis	_	Riboflavin	
	B)	En	cephalo	omalaci	a	-	Vitamin E	
	C)	Foo	ot pad o	dermati	itis	( <u>100)</u>	Niacin	
	D)	Sta	ır grazi	ng -		-	Thiamine.	
26.	The	com	ponent	of pro	ximate pr	inciple which	is calculated and	not analysed in
			atory is	9.4	- 3	ē 38		1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
	A)	Cru	de prot	ein		B)	Crude fibre	
	C)	Ethe	er extra	ctive		D)	Nitrogen free extra	ctive.
27.	Mat	ch Li	st I wii	th List	II correct	ly and select	your answer using	the codes given
	belo							
			1	List I			List II	9
		a)	Anto	ine Lav	voisier	1)	Crude protein	
	+	b)	Kjelo	ihal		2)	Ether extract	
		c)	Soxi	ılet ·		3)	Fibre fractionation	
		d)	Van	Soest		4)	Father of nutrition	6% 
	Cod	es:			805	a 4		161
		а	b	c	d	,		
	A)	4	1	2	3			
	B)	4	2	1	3			
	C)	4	1	3	2			
	D)	4	2	3	1.			
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28. Consider the following statements:

Assertion (A): Feeding of high roughage diet increases milk fat content than feeding high concentrate diet.

Reason (R): Propionic acid is the precursor for the milk fat synthesis.

Now select your answer according to the coding scheme given below :

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- C) (A) is true, but (R) is false
- D) (A) is false, but (R) is true.

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29. Match List I with List II correctly and select your answer using the codes given below:

List I List II a) Wool 1) Lecithin b) Albumin 2) Globular protein c) Xanthine oxidase 3) Keratin d) Phospholipid 4) Metalloenzyme. Codes: a d C A) 3 1 2 B) 3 2 . 4 1 C) 1 D) 2 3 1.

30.	Which	one of the following is no	t a trace mine	ral element ?
	A) 10	odine	B)	Manganese
	C) C	obalt	D)	Calcium.
31.	Which	one of the vitamins listed	below is not s	synthesized by ruminants ?
	A) R	iboflavin	B)	Biotin
	C) P	yridoxine	D)	Vitamin A.
. 32.	Electri	c method of stunning is d	one at	
	A) 7	5 MV and 250 mA	В)	75 V and 250 A
	C) 7	5 V and 250 mA	D)	75 MV and 250 A.
33.	"AVIDI	N" a factor present in egg	white prevent	s the absorption of
83	A) F	olic acid	B)	Pantothenic acid
	C)   B	iotin	D)	Vitaniin C.
34.	A feed	stuff is classified as a roug	ghage when it	has
	A) n	nore than 18% protein	В)	more than 18% crude fibre
	C) le	ss than 18% crude fibre	D)	less than 18% crude protein.
35.	The contain		considered su	itable for feeding to calves as i
	A) . A	flatoxins	В)	Gossypol
- 50	C) R	icin	D)	Hydrocyanic acid.
36.	Which	of the following animals l	as maximum	pulse rate ?
	A) H	forse	B)	Cattle
	C) P	g	D)	Dog.
37.	Burnir	ng of long hairs of animals	is called as	320
	A) B	ishoping	B)	Hogging
	c) s	ingeing	D)	Shearing.
x 2	001		20000	Turn over

38.	Avia	an influenza is caused by						
	A)	Orthomyxovirus	В)	Paramyxovirus				
	C)	Retrovirus	D)	Herpes virus.				
39.	Bro	oder house temperature for fi	rst week is					
	A)	110° F	B)	95° F				
	C)	95° C	D)	110° C.				
40.	The	better time for dehorning a	lairy calf is	of age.				
	A)	three months	В)	day of birth				
	C)	fourth week	D)	second week.				
41.	Cas	stration of buckling should be	done usually	at the age of	50. 25			
	A)	1 - 2 weeks	B)	2 - 4 weeks				
	C)	6 - 10 weeks	D)	6 months.				
42.	Vent method of sexing in chicks is done on the							
	A)	5th day	B) 8th day					
	C)	1st day	D)	3rd day.				
43.	Per	manent hardness of water is	due to					
	A)	Magnesium sulphate	. В)	Magnesium carbonate				
	C)	Calcium carbonate	D)	None of these.				
44,	Wh	ich of the following animals	has a gesta	tion period of three mor	nths, three			
	wee	eks and three days?						
Š	A)	Cat	В)	Dog				
	C)	Sheep	D)	Pig.				
x 20	001		20000					

40.	WH	ich of the following is correctly ma	teneu ;	
	A)	The act of parturition in cattle	-	Lambing
	B)	The act of parturition in goat	_	Kidding
10	C)	The act of parturition in cat	_	Whelping
	D)	The act of parturition in dog	_	Queening.
46.	Wh	ich of the following is used for incr	ease in	milk production ?
	A)	Alpha casein	B)	Beta casein
	C)	Gamma casein	D)	lodinated casein.
47.	Wh	ich of the following is correctly ma	tchèd ?	
55	A)	Pasteurisation	_	Reductase
	B)	Water adulteration	_	Lactometer
	C)	Mastitis	_	Phosphatasc
	D)	Bacteriological count	_	Catalase.
48.	Syn	thetic milk is prepared with the ad	ldition o	of
	A)	Vegetable fat	B)	Detergent powder
	C)	Urea	D)	All of these.
49.	The	anti-oxidant used in ghee to preve	ent the o	oxidation of fat is
	A)	Calcium chloride	B)	Sodium alginate
	C)	Mono- and diglycerides	D)	Butylated hydroxy anisole.
50.	Rip	ening of cheese is done for 2 to 3 n	nonths a	at°C.
	A)	0 to 6	B)	15 to 21
	C)	- 5 to - 10	D)	18 to 20.
51.	Wh	ich is the basic structural and fund	ctional t	init of milk synthesis?
	A)	Alveoli	B)	Lobules
	C)	Gland cistern	D)	Myoepithelial cells.
x 20	01		20000	Turn over

52.	The composition of single toned milk is								
	A)	Minimum 3% fat and Minim	um 8·5% SN	F					
	B)	Minimum 1.5% fat and Minimum 9.0% SNF							
	C)	Minimum 4.5% fat and Minimum 8.5% SNF							
	D)	Minimum 4% fat and Minim	um 8·5% SN	F.					
53.	lce-cream without hardening process is called								
	A)	Kulfi	. в)	Softy					
	C)	Irish cream	D)	None of these.					
54.	The	next section in pasteurizatio	n after holdin	g is					
	A)	Cooling	B)	Heating					
	C)	Regeneration	D)	None of these.					
55.	Nat	ural acidity of milk is due to							
-	A)	Casein and phosphates	В)	Lactic acid					
	C)	Bacteria	D)	Mould.					
56.	The milk most suitable for the prepation of Khoa is								
	A)	Cow milk	B)	Buffalo milk					
	C)	Goat milk	D)	Sheep milk.					
57.	Rac	diation and pasteurization							
	A)	inactivate performed botulii	num toxin						
12	B)	do not inactivate performed	botulinum to	oxin					
	C)	partially inactivate preform	ed botulinum	toxin					
	D)	none of these.							
58.	Wh	ich one yields highest dressin	ig percentage	?					
	A)	Buffalo	B)	Pig					
	C)	Goat	D)	Sheep.					
x 20	01		20000						

59.	A hi	gh sp	eed o	f freez	ing tends	s to		*				
	A)	enha	nce t	ender	ness							
	B)	B) decrease tenderness										
	C)	neith	er en	hance	nor dec	rease tene	dernes	s	80			
									95			
	D)	none	of th	iese.				10.7				
60.	Min	mal	meat	/meat	equival	ent food	( g/d	ay ) required	for averag	ge human		
	bein	gs.is										
	A)	225		201		52	B)	325				
	C)	125					D)	55.	•			
61.		-l- F4-			at II aas	rantle and	aalaa		using the o	adae diyan		
61.	1		t i w	itin Li	st II con	rectly and	selec	your answer	using the c	odes given		
	belo	w:						±11				
	70			List I	I			List I				
	4	250		21.								
	- 32	a)	wo	od sm	оке		1)	Rumen	10			
	. 1	b)	Blo	om	12		2)	Formaldehyd	е			
	1	c)	Tele		25		3)	Canned prod	not with oor	nole		
		0,	Tri	pc.		¥3	3,	Camica prod	act with cer	cais		
	- 1	d)	Lui	ncheor	n meat		4)	Bright red co	lour			
	Code	. 20										
	,											
	*	a	b	c	d			18				
	A) ;	2	4	3	. 1							
	B)	2	1	3	4				82			
	υ,	-		J	•							
	C)	2	4	1	3		19		텧			
3	D)	1	3	4	2.							
x 200					5	17	20000		i i	Turn over		
- 100	-					Ŀ	20000		40	Taili over		

62.	Whi	ch of the following is not the m	e of ante-mortem inspection ?	
	A)	Body score of the animal		(A KE
	B)	Identifying animal suffering fr	om zoonoti	c disease
	C)	Identifying notificable disease	in the anin	nal
	D)	Identifying general systemic d	isturbance	of the animal.
63.	Vita	umin which is affected during c	ooking to a	higher level is
	A)	Thiamine	B)	Riboflavin
	C)	Niacin	D)	Pantothenic acid.
64.	Rigo	or mortis does not occur in care	cass died di	ue to
	A)	Foot and mouth disease	B)	Anthrax
	C)	Rinder pest	D)	All of these.
65.	The	ideal temperature required for	scaling in p	pigs is
	A)	40 - 43° C	B)	50 - 53° C
	C)	60 - 63° C	D)	70 - 73° C.
66.	Mu	sky odour is present in	100	T 8
	A)	Beef	B)	Cara beef
	C)	Mutton	D)	Pork.
67.	Car	cass examination facilitates eli	minating th	e meat infested with
	A)	Measly cysts	B)	Trichnid cysts
	C)	Tubercule nodules	D)	All of these.
68.		e degree to which an innovation percedes is	n is perceiv	ved as being better than the idea it
	A)	Relative advantage	B)	Compatibility
	C)	Complexity	D)	Trialability.
x 20	001	•	20000	(t)

69.	Exte	ension teaching is		
	A)	horizontal	B)	vertical
	Cl	horizontal and vertical	D)	diagonal.
70.		single factor which determine gramme is	s the	success/failure of an extension
	A)	Innovators	B)	Leadership
	C)	Government agents	D)	Extension workers.
71.		active transfer of technology which used ?	of the	c following communication methods
	A)	Individual & Group	B)	Mass & Individual
	C)	Group & Mass	D)	Individual, Group & Mass.
72.	477.000	ption of practices was high when hods are used.	more	than communication
	A)	two	B)	three
	C)	four	D)	five.
73.	The	selection of Lay leaders is based or	1	
	A) '	Sociometric test	B)	Election
	C)	Group observer	D)	All of these.
74.	The	father of dairy cooperatives in India	a is	
	A)	Amrita Patel	B)	Varghese Kurien
	C)	M. S. Swaminathan	D)	Lal Bahadur Shastri.
75.	The	term 'extension education' was inti	roduced	in the University of
	A)	Calcutta	B)	Madras
121	C)	Cambridge	D)	Oxford.
76.		seems to have no confidence in hi ing. He is often a rationalizer	mself,	if at all possible he puts of decision
	A)	Laissez-faire leader	B)	Democratic leader
	C)	Autocratic leader	D)	Popularity leader.
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		•						
77.	As a program officer which method will you choose from the following to study the reaction of farmers to Government program like IRDP?							
	A)	Survey method	B)	General meeting				
	C)	Farm and home visit	D)	Questionnaire method.				
78.	Wh	ich of the following statements abo	out teach	ning methods are not true?				
		i. Exhibition is the best meth	od to te	ach illiterates				
		ii. No teaching aid can suit fo	r all situ	ations				
		iii. Television talk is a powerfu	ıl. group	teaching method				
		iv. Teaching aids like compute	er can re	eplace the teacher.				
	of	these		*				
	A)	(i) and (ii) are correct	B)	(ii) and (iii) are correct				
	C)	(iii) and (iv) are correct	D)	(iv) and (i) are correct.				
79.	In t	the breakeven point, MC is equal t	0					
	A)	AFC	B)	AVC				
	C)	ATC	D)	None of these.				
80.	According to 17th livestock & poultry census of Tamil Nadu, the distribution of cattle and its percentage of increase over previous census for cattle were							
	A)	91,41,043,1.04%	B)	88,44,342,5-05%				
	C)	80,42,144,6-80%	D)	98,44,452,7.81%.				
81.	The	e satisfaction of human want on th	e use of	goods and services is known as				
	A)	Distribution	B)	Exchange				
	C)	Consumption	D)	Production.				
82.	An	example of working asset is						
	A)	Land	B)	Building				
	C)	Farm house	D)	Farm machinery.				
83.	The	e pattern of co-operative system fo	llowed b	y AAVIN is				
	A)	Gujarat pattern	В)	Anand pattern				
	C)	Mathura pattern	D)	Delhi pattern.				
x 20	001		20000	**				

84.	Shut-down point is the minimum po	int of	¥
	A) Average fixed cost	B)	Average variable cost
	C) Marginal cost	D)	Average cost.
85.	The depreciation per cent consider for	or milch a	animal in the second lactation is
	A) no depreciation	B)	10%
	C) 20%	D)	5%.
86.	Goods that lead to easy living are ca	lled	10
-	A) : Luxuries	B)	Comforts
	C) Necessaries	D)	None of these.
87.	Total fixed cost is		***
	A) Total cost - invariable cost	<b>B</b> )	Total cost - total variable cost
	C) Total variable cost - total cost	D)	None of these.
88.	In India, the piggery enterprise is in	the hand	s of
	A) economically weaker section	B)	middle class people
	C) economically sound section	D)	none of these.
89.	The maximum egg production state	in India is	1
	A) - Tamil Nadu	B)	Madhya Pradesh
	C) Uttar Pradesh	D)	Andhra Pradesh.
90.	organ is called as Voice	Box.	
	A) (Larynx	B)	Pharynx
	C) Epiglottis	D)	Trachea.
91.	Synsacrum found in which of the fol	lowing?	
	A) Cow	B)	Horse
	C) Fowl	D)	Dog.
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92.	Нер	arin accelerates the activity of		85						
	A)	Antithrombin III	B)	Antithrombin X						
	C)	Antithrombin IV	D)	None of these.						
93.	The	abdomen is lined by the serous me	embran	e known as						
13	A)	Diaphragm	B)	Peritoneum						
200	C)	Pericardium	D)	Lamina externa.						
94.	The osseous part of the nasal septum is formed by									
	A)	Turbinates	B)	Nasal bones						
	C)	Perpendicaular plate of Ethmoid	D)	Maxilla.						
95.	Elastic cartilage is seen in									
	A)	Trachea	B)	Epiglottis						
	C)	Costal cartilage	D	Intervertebral disc.						
96.	Os	penis is present in								
	A)	Ox	B)	Horse						
	C)	Dog	D)	Fowl.						
97.	Ilium, ischium and pubis of os coxae meet to form									
	A)	Cotyloid cavity	B)	Tuber coxae						
	C)	Acetabulum	D)	ischial arch.						
98.	Hea	art is supplied by								
	A)	Coronary arteries	B)	Aorta						
	C)	Pulmonary artery	D)	Bronchiocephalic trunk.						
99.	Rec	current laryngeal nerve is the branc	h from							
	A)	Factal nerve	B)	Vagus nerve						
	C)	Hypoglossal nerve	D)	Glossopharyngeal nerve.						
100.	Wh	ich artery is present in Ox and abs	ent in S	heep and Goats?						
	A)	Facial	B)	Caudal auricular						
	C)	Transverse facial	D)	Caudal ophthalmic.						
v 20	01	20	20000	19						

101.	Nu	cleated RBC is present in			
	A)	Dog	B)	Horse	
80	C)	Cat	D)	Birds.	90 (\$2
102.	Wh	en the cow is in standing position	n, most	blood returns from	mammary gland
	to l	neart via			0 8
	A)	Milk vein	B)	Perincal vein	
	C)	Pudic vein	D)	All of these.	
103.	In l	olood transfusion, major cross ma	atching is	s tested between	60
	A)	Donor's cell and Recipient's pla	sma		
37.	B)	Donor's plasma and Recipient's	cell	1	
	C)	Donor's and Recipient's plasma		¥	
	D)	Donor's and Recipient's cell.			
104.	Hol	d-up of milk is caused by excess	secretion	of	
	A)	Oxytocin	B)	Renin	20
	C)	Progesterone	D)	Adrenaline.	
105.	Fac	tor(s) that inhibit(s) gastric secre	tion is/a	re	
	A)	Acidity, fluidity and distension	of duoder	num	
	B)	Secretin			
	C)	Cholecystokinin ( CCK )			
	D)	All of these.			
106.	Sur	nmer sleep is termed as			
	A)	Estivation	B)	Hibernation	
	C)	Acclimation	D)	Acclimatization.	
107.	The	net yield of ATP produced after t	he compl	ete oxidation of one	mole of giveerol
	is				
	A)	27	B)	21	
	C)	29	D)	22.	
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108.	The	absorption of sodium in the dista	d tubule	is due to
	A)	Aldosterone	B)	ADH
	C)	Cortisone	D)	Gastrin.
109.	The	volume of urine formed is regula	ted by th	e rate of
	A)	Glomerular filtration		
	B)	Tubular reabsorption	*:	
	C)	Changes in glomerular blood pr	essure	(*)
	D)	All of these.		
110.	Vag	us nerve fibres are		
	A)	Motor	· B)	Sensory
	C)	Mixed	D)	None of these.
111.	Col	limator in an X-ray machine decid	des the	
	A)	Field of radiation	B)	Distance of radiation
	C)	Pattern of radiation	D)	Direction of X-rays.
112.	Du	ration of local anesthesia can be e	nhanced	by addition of
	A)	Hyaluranidase	B)	Adrenaline
	C)	Atropine sulphate	D)	Dexamethasone.
113.	Ну	overtebrotomy surgical procedure	is carried	out for
	A)	Otitis interna	B)	Guttural pouch
	C)	Hydrocephalus	D)	Poll evil.
114.	Fill	etting is surgical		
	A)	amputation of digit in canine		
	B)	amputation of tail in canine		
	C)	amputation of mammary gland	in canine	;
	D)	amputation of limb in canine.		\$ X
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115.		prepare 5% thiopental anesthetic d ch distilled water do you need ?	rug	with the 2.5	gm vial	package	, how
	A)	5 ml	B)	50 ml			
	C)	100 ml	D)	20 ml.			
116.	The	suture pattern used for intestinal ar	nasto	mosis is			
	A)	Quill Suture	B)	Vertical Ma	attress S	uture	131
	C)	Purse String Suture	D)	Gambee St	uture.		
117.	Whi	ich of the following inhalation agent i	is mo	st potent?			
	A)	Halothane	B)	Nitrous Ox	ide (N <sub>2</sub> O	)	
	C)	Isofluorane	D)	Methoxy fl	uorane.		
118.		ich of the following would cause cessing?	an	X-ray film	to be t	too dark	after
	A)	Two film in a cassette				90	
	B)	Film stored in the area of high temp	perat	ure			59
	C)	Focal distance long					
	D)	mA too low.	8	ŧ			
119.	Site	of injection for corneal nerve block i	s				103
	A)	over the zygomatic arch between t	the la	iteral canthi	is of eye	to the b	ase of
	B)	middle of the supraorbital fossa					
	C)	base of the horn	133				
	D)	2 - 3 cms in front of the horn base	belov	v the frontal	ridge.		93
120.	Run	nenotomy can be performed in cattle	in st	anding posit	ion by		
	A)	Paravertebral nerve block					
	B)	Anterior epidural anaesthesia			8		
	C).	Xylazine-ketamine anaesthesia					
	D)	Pudental nerve block.					
					28		

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121.	lnat	oility to close the eyes is termed	as								
	A)	Panophthalmia	B)	Lagophthalmia							
	C)	Ptosis	D)	Ectropion.							
122.	One	of the important managementa	l factors f	or lowered fertility is							
	A)	improper detection of heat			2						
	B)	silent heat									
	C)	anoestrus									
	D)	improper artificial insemination	n.								
123.	A m	A major problem associated with induced calving is									
	A)	Ovarian cysts									
	B)	Postpartum anoestrus									
	C)	Retained placenta									
	D)	Postpartum uterine infection.									
124.	Polyoestrus cycle is not observed in										
	A)	Cattle	B)	Sheep							
	C)	Bitch	D)	Camel.							
125.		impotentia generandi* disorder true?	of bulls,	which of the following condition	ns						
	A)	No sex drive									
	B)	Low fertile		*							
	C)	C) Pathological condition of the testes observed									
	D)	<ul> <li>Pathological condition of the epididymis observed.</li> </ul>									
126.	Wh	ich of the following conditions is	not a dis	order of parturition ?							
	A)	Foetal maceration	B)	Prolapse							
	C)	Uterine inertia	D)	Uterine torsion.							
127.	Wh	ich hormone is not produced by	ovine ova	ry?							
	A)	Estradiol	B)	Inhibin							
	C)	Progesterone	D)	Prolactin.							
x 20	01		20000	i .							

128.	Wh	ich one of the following is correct	?						
	A)	Maternal dystocia occurs less f	requently	than foetal dystocia in cattle					
	B)	Foetal dystocia is less frequent than maternal dystocia in cattle							
	C)	Foetal dystocia and maternal d	ystocia ar	e more common in cattle					
	D)	Maternal dystocia is absent in	cattle.	#					
129.	Du	ration of oestrum in bitch is							
	A)	5 – 7 days	В)	6 - 8 days					
	C)	9 days	D)	2 - 4 days.					
130.	Cor	rect time of insemination in a co	w for opti	mum fertility is					
	A)	At the end of oestrus	B)	12 hours after onset of oestrus					
	C)	6 hours after onset of oestrus	D)	At the beginning of oestrus.					
131.	Thi	ck transparent mucoid discharge	from the	vagina of a cow or buffalo indicates					
4	A)	Vaginitis	B)	Endometritis					
	C)	Pyometra	D)	Heat period.					
132.	The	seminal vesicles are absent in							
	A)	Bull	B)	Dog					
	C)	Stallion	D)	Boar.					
133.	FM	D vaccination should be given at	the age of	r					
**	A)	four months	В)	one year					
	C)	two months	D)	eight months.					
134.	Alte	rnate passage of infectious ager	nt from or	ne species of an animal to another					
	spe	cies is known as							
	A)	Vertical transmission	B)	Zig-zag transmission					
	C)	Cyclopropagate transmission	D)	Propagate transmission.					
x 20	01		20000	Turn over					

135.			dis	ease b	clongs to	o the cl	ass of	direct Zoonosis.
	A).	Q fev	er				B)	Scarlet fever
	C)	Tube	rculosi	s			D)	Rabies.
136.	Mate	h Lis	t I cor	rectly v	with <b>Lis</b> t	II and	i select	your answer using the codes given
	belov	v the	lists :		-			8 0
			List	1				List II
		a)	Abort	ion Sto	rm ·		1.	Streptobacillus moniliformis
		b)	Ghon	Focus			2.	Afipia and Barlonella sps.
		c)	Rat B	ite Fev	er		3.	Tuberculosis
		d)	Cat S	cratch	Disease		4.	Leptospirosis
	Code	s:						
	4	а	ь	c	d.			4
	A)	4	3	2	1			<b>€</b> €
	B)	2	3	3	1			28 M
	C)	3	4	2	1			- 3
	500		9	30700	- 179			
	D)	4	3	1	2.			135 89
137.	Sele	et the	incorre	ect stat	ement o	f the fo	llowing	diseases :
	A)	Babe	esta mie	crott is	not a zo	onotic	disease	e in splenectomised cases
	B)	Anti	genic v	ariation	is pres	ent in t	he Try	panosoma
	C)	Bub	onic pla	ague is	caused	by Yer	sinia pe	estis
	D)	Fadi	ng pup	py syn	drome is	s cause	d by ca	mine herpes virus.
138.	Blue	Bag	disease	is cau	sed by			
	A)	Past	eurella	haemo	lytica		B)	Pasteurella multocida
	C)	Cory	nebact	erlum s	pecies		D)	Staphylococcus species.
x 20	01						20000	