Booklet Series

Register Number

VETERINARY SCIENCE

Time Allowed: 3 Hours]

[Maximum Marks: 300

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

IMPORTANT INSTRUCTIONS

- 1. 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.
- 2. This Question Booklet contains 200 questions.
- 3. Answer all questions.
- 4. 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 bookiet, he/she has to indicate in the side 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows:

[B][C][D]

- 6. 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.
- 7. 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.
- 8. 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 fail to encode the above information, your Answer Sheet will not be evaluated.
- 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	e conception rate of cattle in In	dia by AI is	about
	A)	40%	B)	70%
	(C)-	10%	D)	80%.
2.	The	e postmortem discolouration of	the carcass	is called
	A)	Rigor mortis	В)	Algor mortis
	C)	Livor mortis	D)	All of these.
3.	Sex	tual assault on animals is calle	d as	
	A)	Maiming	B)	Bestiality
	C)	Brutality	D)	Cruelty.
4.	The	request for postmortem exam	ination of ve	eterolegal cases should be signed by
	A)	Head of the Institution	B)	Police Inspector
	C)	Magistrate	D)	Inspector or Magistrate.
5.		der Prevention of Cruelty to Anniecting any substance to impi		1960, penalty for practising phooka n in milch animal is
		I. fine up to Rs. 1,000/-		
		II. imprisonment up to 2 ye	ears	
		III. the animal shall be forfe	ited to the g	government
		IV. warning for the animal of	owner.	
	Of t	hese statements		•
	A)	I alone correct	В)	·II alone correct
	C)	I, II & III are correct	D)	All are correct.
6.	As p	oer 17th livestock census the c	rossbred ca	ttle population in Tamil Nadu is
	A)	4·1 millions	В)	4.8 millions
	C)	5·1 millions	D)	5.5 millions.
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7.	Larg	ge scale crossbreeding program was	start	ed by ICAR with FAO and PL-480
	duri	ing the year	,	•
	A)	1963	B)	1967 .
	C)	1960	D)	1969.
8.	Key	village scheme for livestock improve	ment	was launched during
	A) .	1st Five-Year Plan	B)	2nd Five-Year Plan
	C)	3rd Five-Year Plan	D)	4th Five-Year Plan.
9.	Bes	tiality is punishable under the Section	on	
	A)	Indian Penal Code 429	В)	Indian Penal Code 377
	C)	Indian Penal Code 428	D)	Indian Penal Code 420.
10.	Fra	ud in the sale of livestock is punisha	ble 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.	Whi	ich of the following animals has siler	it heat	
	A)	Cow	B)	Buffalo
	C)	Goat	D)	Sheep.
12.	The	percentage of abnormal spermatozo	a in a	normal bull should not exceed
	A)	21 – 56%	B)	5 - 12%
	C)	15 – 20%	D)	26 – 30%.
13.	Mea call	asure of phenotypic value of the	indi	vidual candidate for selection is
	A)	Performance testing	В)	Pedegree selection
•	C)	Show ring selection	D)	Progeny testing.
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14.	PI	iiai y (ilect of	Select	1011 111	a pop	ulation is	,
	A)	mai	ntain c	onstan	t level	of pop	pulation	
	B)	incr	ease th	e num	ber of	homo	zygote	i i
	C)	incr	ease th	e gene	frequ	ency o	of desirable	genes
	D)	decr	ease h	eterozy	gosity			·
15.	Mu	tation	in whi	ch one	base	replac	ed by anot	her base is termed
	A)	Add	ition				B)	Deletion
•	C)	Trai	islocati	on			D)	Substitution.
16.	Pro	geny i	est is u	iseful f	or sele	ection	of	
	A)	Sex	limited	trait			B)	Sex-influenced trait
	C)	Qua	litative	trait			D)	Sex-linked trait.
17.	Mat	ing of	related	i anim	al is c	alled		
	A)	Out	breedi	ng			B)	Inbreeding
	C)	Ran	dom br	eeding			D)	Cross-breeding.
18.		ch Li w :	st I wit	h List	II cor	rectly	and select	t your answer using the codes given
			1	List I				List II
		a)	Selec	tion re	spons	e	1)	Selection plateau
		b)	Selec	tion dii	ferent	ial	2)	A point above which all the individuals are selected
		c)	Selec	tion in	tensity	7	3)	Genetic gain
		d)	Selec	tion lin	nit		4)	Standardised selection differential
÷		e)	Trunc	cation :	selecti	on	5)	Superiority of selected parents
•	Cod	es ;						
•		a.	b	C	d	e		
	A)	3 ¹	5	4	2	1		
	B)	4 :	5	3	2	1		
*	C)	3 .	5	4	1	2		
	D)	3	4	5	2	1.		
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19.	Trai	ts of	economic importance in livest	ock are	•
•		I.	Quantitative traits		
		II.	Controlled by many genes		·
		III.	Greatly influenced by environ	nment	
		IV.	Mostly affected by additive a	nd non	-additive gene action.
	Of t	hese	· ·		•
	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	eeding increases		
•	A)	. Het	erozygosity	B)	Homozygosity
	C)	Add	litive gene action	D)	Relationship.
21.	Mea	at typ	e sheep are selected based on	the bo	dy weight at
	A)	Thr	ree months	· B)	Six months
	C)	Nin	e months	D)	Twelve months.
22.	Sele	ection	n of individual on the basis of	average	e performance of offspring is
	A)	Ped	ligree selection	B)	Individual selection
	C)	Pro	geny testing	D)	Family selection.
23.	The	dist	inguishing feature between Sa	hiwal a	and Red Sindhi is
•	A)	Loc	ose skin	В)	Lighter colour muzzle
	C)	Red	ldish dun colour	D)	Massive hump.
24.	The	limi	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.
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25.	Whi	ch on	e of the	e follow	ving pai	rs is not	correc	ctly matched ?	
	A)	Cur	led toe	paraly	/sis			Riboflavin	
	B)	Enc	ephalo	malac	la		•	Vitamin E	
	C)	Foo	t pad c	lermati	itis		_	Niacin	
	D)	Sta	r grazii	ng ,				Thiamine.	
26.		_	oonent atory is	_	ximate	principl	e whic	h is calculated and not ana	ılysed in
	A)		ie prot				B)	Crude fibre	
	C)		r extra				D)	Nitrogen free extractive.	
27 .	Mat	ch Lis	st I wit	h List	II corre	ectly and	d selec	t your answer using the cod	les given
	belo	w :				*			
			1	List I				List II	
	•	a)	Anto	ine Lav	voisier		1)	Crude protein	
		b)	Kjelo	lhal			2)	Ether extract	
		c)	Soxh	ılet			3)	Fibre fractionation	
		d)	Van	Soest			4)	Father of nutrition	
	Code	es:							
		а	b	c	đ				
	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.
- 29. Match List I with List II correctly and select your answer using the codes given below:

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

D) 2 3 4 1.

2 .

2

B)

C)

3

1

4

4

1

3

30.	Whi	ich one of the following is not a trac	e mine	eral element?
	A)	lodine	В)	Manganese
	C)	Cobalt .	D)	Calcium.
31.	Whi	ich one of the vitamins listed below	is not	synthesized by ruminants?
	A)	Riboflavin	B)	Biotin
	C)	Pyridoxine	D)	Vitamin A.
32.	Elec	ctric method of stunning is done at		
	A)	75 MV and 250 mA	В)	75 V and 250 A
	C) ;	75 V and 250 mA	D)	75 MV and 250 A.
33.	"AV	IDIN" a factor present in egg white	preven	ts the absorption of
	A)	Folic acid	B)	Pantothenic acid
	C)	Biotin	D)	Vitamin C.
34.	A fe	edstuff is classified as a roughage v	vhen it	has
,	A)	more than 18% protein	В)	more than 18% crude fibre
	(C)	less than 18% crude fibre	D)	less than 18% crude protein.
35.			ered su	uitable for feeding to calves as it
	con	tains		
5 -	A)	Aflatoxins	B)	Gossypol
	C)	Ricin	Ď)	Hydrocyanic acid.
36.	Whi	ich of the following animals has ma	ximum	pulse rate?
	A)	Horse	B)	Cattle
	C)	Pig	D)	Dog.
37.	Bur	ning of long hairs of animals is call	ed as	
	A }	Bishoping	B)	Hogging
	C)	Singeing	D)	Shearing.
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38.	Avia	n influenza is caused by		
	A)	Orthomyxovirus	B)	Paramyxovirus
	C)	Retrovirus	D)	Herpes virus.
39.	Broo	oder house temperature for first wee	k is	
	A)	110° F	В)	95° F
	C)	95° C	D)	110° C.
40.	The	better time for dehorning a dairy ca	lf is	of age.
	A)	three months	B)	day of birth
	C)	fourth week	D)	second week.
41.	Cas	tration of buckling should be done u	ısually	y at the age of
	A)	1 – 2 weeks	B)	2 – 4 weeks
	C)	6 – 10 weeks	D)	6 months.
42 .	Ven	t method of sexing in chicks is done	on th	e
	A)	5th day	B)	8th day
	C)	lst day	D)	3rd day.
43.	Peri	manent hardness of water is due to		
	A)	Magnesium sulphate	В)	Magnesium carbonate
	C)	Calcium carbonate	D)	None of these.
44.		ich of the following animals has a	gesta	tion period of three months, three
	wee	ks and three days ?		
•	A)	Cat	В)	Dog
x 20	C)	Sheep	D)	Pig.
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45.	wn	ich of the following is correctly mat	cheu /	
	A)	The act of parturition in eattle		Lambing
	B)	The act of parturition in goat		Kidding
•	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 incre	ease in	milk production?
	A)	Alpha casein	B)	Beta casein
	C)	Gamma casein	D)	Iodinated casein.
47.	Wh	ich of the following is correctly mat	chèd?	
	A)	Pasteurisation		Reductase
•	B)	Water adulteration	_	Lactometer
	C)	Mastitis		Phosphatase
,	D)	Bacteriological count	· <u></u>	Catalase.
48.	Syn	thetic milk is prepared with the ad-	dition o	of
•	A)	Vegetable fat	В)	Detergent powder
	C)	Urea	D)	All of these.
49.	The	anti-oxidant used in ghee to preve	nt 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 m	onths a	at°C.
	A)	0 to 6	B)	15 to 21
	C)	- 5 to - 10	D)	18 to 20.
51.	Whi	ich is the basic structural and func	tional ı	init of milk synthesis?
	A)	Alveoli	B)	Lobules
	C)	Gland cistern	D)	Myoepithelial cells.
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52 .	The	composition of single toned milk is	-							
	A)	Minimum 3% fat and Minimum 8.5% SNF								
	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 Minimum 8.5	% SNI	₹.						
53.	Ice-c	cream without hardening process is	called							
	A)	Kulfi	B)	Softy						
	C)	lrish cream	D)	None of these.						
54 .	The	next section in pasteurization after l	noldin	g is						
	A)	Cooling	B)	Heating						
	C)	Regeneration	D)	None of these.						
55.	Natu	aral acidity of milk is due to								
	A)	Casein and phosphates	B)	Lactic acid						
	C)	Bacteria	D)	Mould.						
56.	The	milk most suitable for the prepation	of Kh	oa is						
	A)	Cow milk	B)	Buffalo milk						
	C)	Goat milk	D)	Sheep milk.						
57, `	Radi	iation and pasteurization								
	A)	inactivate performed botulinum tox	in							
	B)	do not inactivate performed botulin	um to	xin						
	C)	partially inactivate preformed botul	inum	toxin						
	D)	none of these.								
58.	Whi	ch one yields highest dressing perce	ntage	?						
	A)	Buffalo	B)	Pig						
	C)	Goat	D)	Sheep.						
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59.	A hi	igh spe	eed of	freez	ing tend	is to		,	
•	A)	enha	nce te	enderi	ness				
	B)	decre	ase t	ender:	ness	•			
	Ċ)	neith	er en	hance	nor de	crease ter	adernes	ss	
	D)	none	of th	ese.					
60.	Min	imal i	meat/	meat	equiva	alent food	l (g/d	lay) require	d for average human
	beir	igs is							
	A)	225			•		В)	325	
	C)	125					· D)	55.	*
61.	Mat	ch Lis	t I w	ith Li s	st II co	rrectly an	d select	t your answer	using the codes given
	belo	w:			•				
			•	List l	!	·		List I	I
	i	a)	Woo	od sm	oke		1)	Rumen	
	•	b)	Blo	om	,		2)	Formaldehyo	ie
	- #	c)	Trip	e	•		3)	Canned prod	luct with cereals
	1 :	d)	Lun	icheor	n meat		4)	Bright red co	olour
	Cod	es :						-	
		а	b	c .	d				
ı	A) :	2	4	3	. 1				
	B)	2	1	3	4				·
	C)	2	4	1	3				
	D)	1	3	4	2.				
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32 .	Whi	ch of the following is not the main o	bjectiv	ve of ante-mortem inspection?
	A)	Body score of the animal		
	B)	Identifying animal suffering from 2	conoti	c disease
•	C)	Identifying notificable disease in the	ne anin	nal
	D)	Identifying general systemic distur	rbance	of the animal.
63.	Vita	amin which is affected during cookir	ng to a	higher level is
	A)	Thiamine	B)	Riboflavin
	C)	Niacin	D)	Pantothenic acid.
64.	Rigo	or mortis does not occur in carcass	died di	ue to
	A)	Foot and mouth disease	B)	Anthrax
	C)	Rinder pest	D)	All of these.
65.	The	ideal temperature required for scal	ing in	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	,	
	A)	Beef	В)	Cara beef
	C)	Mutton	D)	Pork.
67.	Car	cass examination facilitates elimina	ating th	ne meat infested with
	A)	Measly cysts	B)	Trichnid cysts
	C)	Tubercule nodules	D)	All of these.
68.		e degree to which an innovation is percedes is	percei	ved as being better than the idea it
	A)	Relative advantage	B)	Compatibility
	C)	Complexity	D)	Trialability.
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69.	Exte	ension teaching is		
	A)	horizontal	B)	vertical
	C)	horizontal and vertical	D)	diagonal.
70.		single factor which determines tramme is	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	following communication methods
	A)	Individual & Group	B)	Mass & Individual
,	C)	Group & Mass	D)	Individual, Group & Mass.
72.		otion of practices was high when nods are used.	more	than communication
	A)	two	B)	three
	C)	four	D)	five.
73.	The	selection of Lay leaders is based on		
	A) '	Sociometric test	B)	Election
	C)	Group observer	D)	All of these.
74.	The	father of dairy cooperatives in India	is	
	A)	Amrita Patel	B)	Varghese Kurien
	C)	M. S. Swaminathan	D)	Lal Bahadur Shastri.
7 5.	The	term 'extension education' was intro	ducec	l in the University of
	A)	Calcutta	B) -	Madras
	C)	Cambridge	D)	Oxford.
76 .		seems to have no confidence in himing. He is often a rationalizer	iself, i	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.		choose from the following to study m like IRDP?			
	A)	Survey method	B)	General meeting	
	C)	Farm and home visit	D)	Questionnaire method.	
78.	Whi	ch of the following statements abou	ıt teac	hing methods are not true?	
		i. Exhibition is the best metho	od to te	each illiterates	
		ii. No teaching aid can suit for	all site	uations	
		iii. Television talk is a powerful	, grouj	p teaching method	
		iv. Teaching aids like computer	can r	eplace the teacher.	
	Of t	hese		•	
	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	he breakeven point, MC is equal to	-		
	A)	AFC	B)	AVC	
	C)	ATC	D)	None of these.	
80.	30. According to 17th livestock & poultry census of Tamil Nadu, the distributi cattle and its percentage of increase over previous census for cattle were				
	A)	91,41,043,1.04%	В)	88,44,342,5.05%	
	C)	80,42,144,6.80%	D)	98,44,452,7.81%.	
81.	The	satisfaction of human want on the	use of	f 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	pattern of co-operative system follo	owed b	y AAVIN is	
	A)	Gujarat pattern	B)	Anand pattern	
	C)	Mathura pattern	D)	Delhi pattern.	
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84.	Shut-down point is the minimum point of					
	A)	Average fixed cost	B)	Average variable cost		
	C)	Marginal cost	D)	Average cost.		
85.	The	depreciation per cent consider for i	nilch a	animal in the second lactation is		
	A)	no depreciation	B)	10%		
	C)	. 20%	D)	5%.		
86.	Goo	ds that lead to easy living are called	l			
	A) :	Luxuries	B)	Comforts		
	C)	Necessaries	D)	None of these.		
87.	Tota	al fixed cost is				
	A)	Total cost – invariable cost	B)	Total cost – total variable cost		
	C)	Total variable cost - total cost	D)	None of these.		
88.	In I	ndia, the piggery enterprise is in the	hand	s of		
	A).	economically weaker section	B)	middle class people		
	Ċ)	economically sound section	D)	none of these.		
89.	The	maximum egg production state in l	ndia is	5		
	A) .	Tamil Nadu	B)	Madhya Pradesh		
	C)	Uttar Pradesh	D) .	Andhra Pradesh.		
90.	•••••	organ is called as Voice Bo	X.			
	A)	Larynx	В)	Pharynx		
	C)	Epiglottis	D)	Trachea.		
91.	Syn	sacrum found in which of the follow	ing?			
	A)	Cow	В)	Horse		
 _	C)	Fowl	D)	Dog.		
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92.	Heparin accelerates the activity of					
	A)	Antithrombin III	B)	Antithrombin X		
	C)	Antithrombin IV	D)	None of these.		
93.	The	abdomen is lined by the serous mer	nbran	e known as		
•	A)	Diaphragm	B)	Peritoneum		
	C)	Pericardium	D)	Lamina externa		
94.	The	osseous part of the nasal septum is	forme	ed by		
	A)	Turbinates	B)	Nasal bones		
	C)	Perpendicaular plate of Ethmoid	D)	Maxilla.		
95.	Elas	stic cartilage is seen in				
•	A)	Trachea	B)	Epiglottis		
	C)	Costal cartilage	D)	Intervertebral disc.		
96.	Os Į	penis is present in				
	A)	Ox	B)	Horse		
	C)	Dog	D)	Fowl.		
97.	Iliur	m, ischium and pubis of os coxae m	eet to	form		
	A)	Cotyloid cavity	B)	Tuber coxae		
	C)	Acetabulum	D)	Ischial arch.		
98.	Hea	rt is supplied by				
	A)	Coronary arteries	В)	Aorta		
	C)	Pulmonary artery	D)	Bronchiocephalic trunk.		
99.	Rec	urrent laryngeal nerve is the branch	from			
	A)	Facial nerve	B)	Vagus nerve		
	C)	Hypoglossal nerve	D)	Glossopharyngeal nerve.		
100.	Whi	ich artery is present in Ox and abser	nt in S	Sheep and Goats?		
	A)	Facial	B)	Caudal auricular		
	C)	Transverse facial	D)	Caudal ophthalmic.		
(20)	017		20000			

101.	Nuc	leated RBC is present in		
	A)	Dog	B)	Horse
	C)	Cat	D)	Birds.
102.		en the cow is in standing position, i eart via	nost t	blood returns from mammary gland
	A)	Milk vein	B)	Perineal vein
	C)	Pudic vein	D)	All of these.
103.	In b	lood transfusion, major cross match	ing is	tested between
	A)	Donor's cell and Recipient's plasma	3.	
·	B)	Donor's plasma and Recipient's cel	1	
	C)	Donor's and Recipient's plasma		
	D)	Donor's and Recipient's cell.		
104.	Hold	d-up of milk is caused by excess secr	retion	of
	A)	Oxytocin	B)	Renin
	C) ·	Progesterone	D)	Adrenaline.
105.	Fact	or(s) that inhibit(s) gastric secretion	is/ar	re
٠.	A)	Acidity, fluidity and distension of d	uoden	um
	B)	Secretin		
	C)	Cholecystokinin (CCK)		
	D)	All of these.		
106.	Sum	imer sleep is termed as		. ·
	A)	Estivation	B)	Hibernation
-	C)	Acclimation	D)	Acclimatization.
107.		net yield of ATP produced after the o	omple	ete oxidation of one mole of glycerol
	is			•
	A)	27	B)	21
F 40	C)	29 • 2001	D)	22.

08.	. The absorption of sodium in the distal tubule is due to									
	A)	Aldosterone	B)	ADH						
	C)	Cortisone	D)	Gastrin.						
109.	The	he volume of urine formed is regulated by the rate of								
	A)	Glomerular filtration								
	B)	Tubular reabsorption	•							
	C)	Changes in glomerular blood press	ure	•						
	D)	All of these.								
110.	Vag	us nerve fibres are								
	A)	Motor	B)	Sensory						
	C)	Mixed	D)	None of these.						
111.	Coll	imator in an X-ray machine decides	the							
	A)	Field of radiation	B)	Distance of radiation						
	C)	Pattern of radiation	D)	Direction of X-rays.						
112.	Dur	ation of local anesthesia can be enh	anced	by addition of						
	A)	Hyaluranidase	B)	Adrenaline						
	C)	Atropine sulphate	D)	Dexamethasone.						
113.	Hyo	vertebrotomy surgical procedure is	carried	l out for						
	A)	Otitis interna	B)	Guttural pouch						
	C)	Hydrocephalus	D)	Poll evil.						
114.	Fille	etting is surgical								
•	A)	amputation of digit in canine								
	B)	amputation of tail in canine								
	C)	amputation of mammary gland in	canine							
x 20	D)	amputation of limb in canine.	0000							
		12	caman Albi							

115.	-	orepare 5% thiopental anesthetic d h distilled water do you need ?	rug w	лith the 2	·5 gm 'v	ial packag	e, how
	A)	5 ml	B)	50 ml			
	C)	100 ml	D)	20 ml.			
116.	The	suture pattern used for intestinal ar	ıastor	nosis is			
	A)	Quill Suture	B)	Vertical I	Mattress	Suture	
	C)	Purse String Suture	D)	Gambee	Suture.		
117.	Whi	ch of the following inhalation agent i	s mos	st potent?			
	A)	Halothane	B)	Nitrous (Oxide (N	₂ O)	
	C)	Isofluorane	D)	Methoxy	fluorane	•	
118.		ch of the following would cause essing?	an .	X-ray film	n to be	too dark	after
	A)	Two film in a cassette				•	
	B)	Film stored in the area of high temp	oeratu	ıre			
	C)	Focal distance long					
	D)	mA too low.					
119.	Site	of injection for corneal nerve block i	S				
	A)	over the zygomatic arch between t	he la	teral canti	nus of e	ye to the b	ase of
	B)	middle of the supraorbital fossa					
	C)	base of the horn					
	D)	2-3 cms in front of the horn base	below	the fronta	al ridge.		
120.	Rum	enotomy can be performed in cattle	in sta	inding pos	sition by		
	A)	Paravertebral nerve block					
	В)	Anterior epidural anaesthesia			•		
	C) ,	Xylazine-ketamine anaesthesia					
	D)	Pudental nerve block.					

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121.	Inab	ility to close the eyes is termed as		
	A)	Panophthalmia	B)	Lagophthalmia
	C)	Ptosis	D)	Ectropion.
122.	One	of the important managemental fac	tors fo	r lowered fertility is
	A)	improper detection of heat		
	B)	silent heat		
	C)	anoestrus		
	D)	improper artificial insemination.		
123.	A m	ajor problem associated with induce	d calv	ing is
	A)	Ovarian cysts	•	•
	B)	Postpartum anoestrus		
	C)	Retained placenta		·
	D)	Postpartum uterine infection.		
124.	Poly	oestrus cycle is not observed in		
	A)	Cattle	B)	Sheep
	C)	Bitch	D)	Camel.
125.		impotentia generandi" disorder of b true ?	ulls, v	which of the following conditions is
	A)	No sex drive		
	B)	Low fertile		•
	C)	Pathological condition of the testes	obser	ved
	D)	Pathological condition of the epidic	lymis	observed.
126.	Whi	ch of the following conditions is not	a diso	rder of parturition ?
	A)	Foetal maceration	B)	Prolapse
	C)	Uterine inertia	D)	Uterine torsion.
127.	Whi	ch hormone is not produced by ovin	e ovar	y?
÷	A)	Estradiol	B)	Inhibin
	(C)	Progesterone	D)	Prolactin.
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128.	Whi	ich one of the following is correct?						
	A)	Maternal dystocia occurs less frequently than foetal dystocia in cattle						
	B) Foetal dystocia is less frequent than maternal dystocia in cattle							
	C)	Foetal dystocia and maternal dys	tocia ai	e more common in cattle				
	D)	Maternal dystocia is absent in cat	ttle.					
129	Dur	ation of oestrum in bitch is						
	A)	5 – 7 days	B)	6 – 8 days				
	·C)	9 days	D)	2 – 4 days.				
130.	Corr	rect time of insemination in a cow i	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.	Thic	k transparent mucoid discharge fr	om the	vagina of a cow or buffalo indicates				
	A)	Vaginitis	B)	Endometritis				
	C)	Pyometra	D)	Heat period.				
132.	The	seminal vesicles are absent in						
	A)	Bull	В)	Dog				
	C)	Stallion	D)	Boar.				
133.	FMD	vaccination should be given at th	e age o	ſ				
	A)	four months	B)	one year				
	C)	two months	D)	eight months.				
134.			from o	ne species of an animal to another				
	-	ies is known as						
	A)	Vertical transmission	В)	Zig-zag transmission				
z <u>[200</u>	C)	Cyclopropagate transmission	D) 20000	Propagate transmission.				
	- 4 1	1		I JUIU OVE.				

135.	disease belongs to the class of direct Zoonosis.							
	A).	Q fev	er				B)	Scarlet fever
	C)	Tube	rculosis				D)	Rabies.
136.	Mato	h Lis	t I corre	ectly v	vith List	II and s	select	your answer using the codes given
	belov	w the	lists :					
			List I					List II
		a)	Abortio	n Sto	rm		1.	Streptobacillus moniliformis
		b)	Ghon I	ocus			2.	Afipia and Bartonella sps.
		c)	Rat Bit	e Feve	er		3.	Tuberculosis
		d) -	Cat Sc	ratch	Disease		4.	Leptospirosis
	Code	es: •						
	τ	а	b	c	đ.			•
	A)	4	3	2	1			•
	B)	2	3	3	1			
	C)	3	4	2	1			•
	D)	4	3	1	2.			
137.	Sele	ct the	incorrec	t stat	ement o	f the follo	wing	diseases :
	A)	Babe	sla micr	oti is	not a zo	onotic d	isease	e in splenectomised cases
	B)	Antig	genic va	riation	is pres	ent in the	e Tryp	panosoma
	C)	Bubo	nic pla	gue is	caused	by Yersir	nia pe	estis
	D)	Fadi	ng pupp	y syn	drome is	caused	by ca	nine herpes virus.
138.	Blue	Bag	disease	is cau	sed by			
	A)	Paste	eurella h	aemo	lytica		B)	Pasteurella multocida
	C)	Cory	nebacte	rlum s	pecies		D)	Staphylococcus species.
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139.	In p	este (des petits ruminants			
		Į.	High fever, dullnes	_	serious discharge from	the eye and
		11.	Necrotic lesions de	velop in the mou	th on second day	
	•	III.	Diarrhoea develops	on fourth day		•
		IV.	Dyspnoea and coug	ghing occur later	·.	
	Of t	hese				
	A)	l an	d II are correct	B)	I, II & III are correct	·
	C)	μ, 1	II & IV are correct	D)	All are correct.	
140.	Whi	ich ty	pe of Anthrax is com	imon in human	being?	
	A)	•	aneous form	B)	Pulmonarysform	
	C)	Inte	estinal form	D)	Reproductive form.	
141.	Wor	ld Zo	onosis Day is			
	A)	6th	July	, B)	6th June	
	C)	6th	August	D)	6th September.	
142.	The	mair	n route of infection in	Malta fever is		
	A)	vert	ical	B) .	venereal	
	C) _.	intr	ogenic	D)	ingestion.	
143.	The	imm	unosuppressive dise	ase of drugs is		
	A)	; Ra	bies	B)	Canine parvo	
	C)	Ca	nine distemper	D)	Brucellosis.	
144.	Wei	l dise	ease is			
٠	A)	ˈAn	thrax	B)	Leptospirotis	

D)

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Brucellosis.

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Black quarter

C)

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145.	Whi	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	efaction necrosis is most commonly	/ seen	in the			
	A)	Heart	B)	Brain			
	C)	Kidney	D)	Lung.			
147.	Con	sider the following statements :		•			
	Asse	ertion (A): Amyloid is a protein pro	oduced	by Antigen-Antibody reaction.			
	Rea	son (R): It is common among ho	rses.	·			
	Now	select your answer according to th	e codir	ng scheme given below :			
	A)	(A) is true, but (R) is false					
	B)	(A) and (R) are false					
	C)	(A) and (R) are true and (R) is the	correc	t reason for (A)			
	D)	(A) and (R) are true, but (R) is the	not co	rrect reason for (A).			
148.	Epit	heloid cells arise from					
	A)	Lymphocytes	B)	Macrophages			
	C)	Plasma cells	D)	Neutrophils.			
149.	Whi	ch of the following is not the exoger	ous pi	igmentation?			
	A)	Anthracosis	B)	Silicosis			
	C)	Siderosis	D)	Byssinosis.			
150.	Whi	ch one of the following is not the co	mpone	ent of pus?			
	A)	Neutrophils	B)	Necrotic tissue			
	C)	Irritant	D)	RBCs.			
151.	Grad	dual cooling of the body after death	is call	ed			
	A)	Rigor mortis	В) .	Livor mortis			
	C)	Algor mortis	D)	None of these.			
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152.	. "Zebra stripping" haemorrhage in large intestine is characteristic of						
	A)	Rind	er pest			B)	Brucellosis
-	C)	FMD	•			D)	None of these.
153.	Bur	sitis ii	n anima	ls lead	is to		
	A)	Goni	tis			В)	Hygroma and capped elbow
	C)	Arth	ritis			D)	Osteitis.
154.	Маt	ch Lis	st I corr	ectly v	with List II a	and select	your answer using the codes given
	belo	w :					
			List 1	Ī			List II
	-	a)	Osteod	lastor	na	1.	Basal cell tumour
		· b)	Haema	ingiop	ericytoma	2.	Masculinizing tumour
	Ť	c)	Arrhen	oblas	toma	3.	Egg shell crackling tumour
	•	d)	Roden	t or Ja	acob's ulcer	4.	Fingerprint tumour
,	Code	2s :				•	
		а	b	c	đ		
	A)	3	4	2	1		
	B)	3	4	1	2		•
	C)	2	1	4	3		
, ,	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 below the lists:

			List	ı				List II
		a)	Sawdı	ust Liv	er	4	1.	Erysipelas species
		b)	Rachi	cele			2.	Diabetes mellitus
		c)	Vegeta	ative E	ndocarditi	ls`	3.	Focal necrosis
		d)	Polyu	ria			4.	Hernia of spinal cord
	Code	es:	•					
		а	b	c	ď			
	A)	1	4	3	2			
	В)	3	1	2	4			
	C)	3	4	2	1			
	D)	3	4	1	2.			
156.	The materials to be collected from the suspected cases of sodium chloride poisoning are							
		1.	Whole	Blood				
		II.	Brain		,			
		III.	Stoma	ch cor	itents			
		IV.	Hair.					
	Of th	nese						
	A)	I & I	II are c	orrect			B)	II & III are correct
	C)	I, II & III are correct				D)	All are correct.	
157.	. Medium which is suitable for the growth of a specific organism is termed as					specific organism is termed as		
	A)	Selective medium				B)	Minimal medium	
	C)	Com	plete n	nediun	n		D)	None of these.
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	158.	Which of the following antibodies is called as secretory antibody?						
	•	A)	IgG	`B)	IgA .			
		C)	IgE	D)	IgM.			
	159.		Salmonella species reveals which of the following cultural characters on TSI (Triple Sugar Iron Agar) test?					
	-	A)	Red colour slant	В)	Yellow colour butt			
		C)	H ₂ S production	D)	All of these.			
	160.	,	ch one of the following agents is u eine production?	sed to	inactivate the rabies virus in rabies			
		A)	Formalin	B)	Zinc oxide			
		C)	Beta propiolactone	D)	Heat inactivation.			
	161.	Sha	pe of the rabies virus is					
		A)	Brick	B)	Bullet			
		C)" ,	Oval	D)	Spherical.			
	162.	Lyoj	philisation of bacteria is attained by	y which	of the following?			
		A)	Freezing	B)	Freeze drying			
		C)	Chilling	D }	Drying.			
	163.	Mat	ure antibody-producing cells are ca	alled				
		A)	Histocytes	B)	T-cells			
		C)	Neutrophils	D)	Plasma cells.			
	164.	The	blue tongue in sheep & goat is cau	sed by				
		A)	Orbivirus	B)	Morbilli virus			
	•	C)	Parapox virus	D)	Retrovirus.			
165. The extracellular infectious virus particle is called					alled			
		A)	Virion	B)	Elementary body			
		C)	Viropox	D)	Viriods.			
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166.	lmm	Immunoglobulin class produced in primary immune response is					
	A)	Immunoglobulin G	B)	Immunoglobulin M			
	C)	Immunoglobulin A	D)	Immunoglobulin E.			
167.	A pa	rasite which produces barrel-shape	d egg	with bipolar plugs is			
	A)	Trichomonads	B)	Trichuris			
	C)	Oxyuris	D)	Bunostomum.			
168.	Cere	ebrospinal nematodiasis usually occ	urs in				
	A)	Cattle	B)	Buffaloes			
	C)	Sheep & Goats	D)	Equines.			
169.	Step	hanurus dentatus infection in pigs i	s diag	nosed by finding the eggs in			
	A)	Urine	B)	Faeces			
	C)	Sputum	D)	Nasal discharge.			
170.	Which of the following nematodes is required paratenic host for the completion of its life cycle?						
	A)	Habronema megastoma	B)	Thelazia species			
•	C)	Spirometra mansonoides	D)	Spirocerca lupi.			
171.	Biop	osy material required for diagnosis o	f theil	eriosis is			
	A)	Abomasum content	B) ·	Liver			
	C)	Muscle	D) .	Lymph nodes.			
172.	The	definitive host for Taenia saginata is	S .	.			
	A)	Cattle	B)	Dog			
	C)	Pig	D)	Man.			
173. All of the following statements are true in respect of hydatid disease except							
÷	A)	It occurs as a result of infection by	Echin	ococcus granulosus .			
	B)	Eggs in the dog's faeces is the infective stage to man					
	C)	Man is the definitive host and he infected dog	acqu	ired the infection by handling an			
	D)	The metacestode form of Echinococ	cus gr	anulosus in man causes disease.			
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	C)	Trichophyton magnini	D)	Hebronema.		
	A)	Candida albicans	В)	Histoplasma farciminosum		
181.	Thru	ish is caused by				
	C)	Anthrax	D)	Actinomycosis.		
	A)	John's disease	B)	Tuberculosis		
180.	. Jaw and skull bone is affected in which disease?					
	C)	Both (a) & (b)	D)	Infectious canine hepatitis.		
•	A)	Canine distemper	B)	Rabies		
179.	. Saddle curve temperature is the characteristic symptom of which disease?					
	C)	Lung	D)	Esophagus.		
	A)	Liver	B)	Brain		
178.	. Spirocerca lupi infection is associated with osteosarcoma and fibrosarcoma in the					
	C)	improved hygiene	D)	proper cooking.		
	A)	louse control	B)	flea control		
177.	Тар	eworm infection is best prevented	in dogs	and cats by		
	C)	Oestrus Ovis	D)	None of these.		
	A)	Psoroptes Ovis	B)	Melophagus Ovis		
176.	'She	ep nasal fly' is synonymically calle	ed as			
	C)	Albendazoļe	D)	Ivermectin.		
	A)	Rafoxamide	B)	Niclosamide		
175.	The i	deal drug for the treatment of live	r fluke i	nfestation in cattle is		
	C)	Oestrus ovis	D)	Chrysomyia bezziana.		
	A)	Hypoderma bovis	B)	Musca domestica		
174.	The fly which is responsible for the nasal myiasis in sheep is					

182.	Urine of horse suffering from Azoturia contains					
	A)	Haemoglobin	В)	Myoglobin		
	C)	Methaemoglobin	D)	Uric acid.		
183.	Fluo	rosis is characterised by				
	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 suff	ering i	from hypopantothenosis is		
	A)	Patchy alopecia & dermatitis	B)	Diarrhoea		
	C)	Weight loss	D)	Goose stepping gait.		
185.	Dyse	entery coupled with straining is the	chara	eteristic feature of		
	A)	Trichuriasis	В)	Anthrax		
	C)	John's disease	D)	Coccidiosis.		
186.	In pregnancy toxaemia condition of sheep, the suggestive treatment is					
	A)	Intravenous glucose injection				
	B) Oral propylene glycol supplementation					
	C)	Oral glycerol supplementation	-			
	D)	Any one of these.		,		
187.	. Stormont test is employed for diagnosis of					
	A)	John's disease	В)	Tuberculosis		
	C)	Black quarter	D)	Haemorrhagic septicemia.		
188.	lmm	nunisation against black quarter is c	lone			
	A)	during summer months	B)	before onset of rains		
•	C)	during pregnancy	D)	at birth of the calf.		
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189.	Traumatic pericarditis is associated wit	umatic pericarditis is associated with which of the following?						
	A) Pronounced leucocytes							
	B) Pronounced leucocytes with neutrophilia							
	C) Pronounced leucocytes with neutropenia							
	D) None of these.							
190.	Enteric form and myocardial form occur	teric form and myocardial form occur in which disease?						
	A) Infectious canine hepatitis	B)	Canine distemper					
_	C) Parvo disease	D)	Rabies.					
191.	in which disease does Tonoclonic convu	ilsion	occur ?					
	A) Strychnine poisoning	B)	Tetanus					
	C) Epilepsy	D)	All of these.					
192.	92. Drug molecules move across Biological membrane by							
	i. Diffusion							
	ii. Filtration							
	iii. Carrier mediator transport							
	Of these							
*	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. Which of following statements is not true?								
	A) Tolerance develops to all the action	ns of a	drug					
	B) Acute type of tolerance is known as	Acute type of tolerance is known as tachyphytaxis						
	C) Species variation may be responsib	Species variation may be responsible for tolerance						
		Down regulations of receptors is an important mechanism for development						
x 200	of tolerance.	20000	[Turn over					
			-					

194.	Local anesthetics								
	A)) prevent generation and propagation of impulses							
	B)	affect only myelinated fibres							
	C)	block calcium channels							
	D)	have sympathomimetic actions.							
195.		common Antioestrogenic compou	nd u	sed for the treatment of canine					
	A)	Fluorogestone acetate	B)	Tamoxifen					
	C)	Delmadinone acetate	D)	Equilin.					
196.	The	ratio of Trimethoprim : Sulfa in pote	entiate	ed 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 50					
	C)	LD 1/ED 99	D)	ED 1/LD 99.					
198.	. Calcium disodium EDTA is the drug used in								
	A)	Copper poisoning	B)	Molybdenum poisoning					
	C)	Lead poisoning	D)	Mercury poisoning.					
199.	Blind stagger is the toxicity condition due to								
	A)	Selenium	B)	Nitrates					
	C)	Molybdenum	. D)	Chromium.					
200.	Anti	zymotic action is seen with							
,	A)	Ginger	B)	Turpentine oil					
	C)	Gentian	D)	Tannic acid.					

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