Register Number			

ANIMAL HUSBANDRY AND VETERINARY SCIENCE (Degree Standard)

Time Allowed: 3 Hours]

[Maximum Marks: 300

FAAVS

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

IMPORTANT INSTRUCTIONS

- 1. The applicant will be supplied with Question Booklet 15 minutes before commencement of the examination.
- 2. This Question Booklet contains 200 questions. Prior to attempting to answer the candidates are requested to check whether all the questions are there in series and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed it shall be reported to the Invigilator within first 10 minutes and get it replaced with a complete Question Booklet. If any defect is noticed in the Question Booklet after the commencement of examination it will not be replaced.
- 3. Answer all questions. All questions carry equal marks.
- 4. 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.
- 5. An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers.
- 6. You will also encode your Question Booklet Number 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, action will be taken as per commission's notification.
- 7. 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.
- 8. In the Answer Sheet there are four circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle 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:



- 9. 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 time of 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.
- 10. The sheet before the last page of the Question Booklet can be used for Rough Work.
- 11. Do not tick-mark or mark the answers in the Question Booklet.
- 12. Applicants have to write and shade the total number of answer fields left blank on the boxes provided at side 2 of OMR Answer Sheet. An extra time of 5 minutes will be given to specify the number of answer fields left blank.
- 13. 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.

1.	The	major challenges faced by fivestock	sector is	
	(1)	Shortage of feed and fodder	(2)	Low productivity
4	(3)	Livestock Health	(4)	Financial Assistance
	(1)	(1) (2) (3)	(B)	(2) (3) (4)
	(C)	(3) (4) (1)	(D)	(1) (4) (2)
100				
2.	AFD	P Stands for		
	LAY	Accelerated fodder development	programm	e
	(B)	Advanced feed development prog	ramme	
	(C)	Additive feed development progr	amme	
	(D)	Acute fodder development progra	mme	
3.		average space required for cattle	weighing	300-400 kg in a railway wagon on road
	LUS -	1.4 sq. meter	(B)	2 sq. meter
	(C)	2.5 sq. meter	(D)	1.8 sq. meter
4.	ABC	program stands for		
	(A)	Animal breeding control	(B)	Artificial breeding control
	CON	Animal Birth control	(D)	Aquatic breeding control
5.	Cara	beef constitute — per	cent of the	total meat production in India.
	(A)	14.5	Lay	19.80
	(C)	45.0	(D)	36.5
	10			
6.	Froz	en semen production bull stations i	n TamilNa	adu government farms are located at
	(A)	Eachenkottai, Erode and Hosur		2 44 . IM-m
	(B)	Hosur, Udhagamandalam and Co	oimbatore	
	(C)	Eachenkottai, Chettinadu and Th	nirupur	
	D	Eachenkottai, Hosur and Udhaga	mandalan	1

7.	Indi	a harbours	-% of the global liv	vestock population.	
4	(A)	20.4		11.54	
	(C)	12.5	(D)	18.5	
8.	Stat	e Cattle Breeding Farm	for Sindhi breed is l	ocated at	
	(A)	Barapet (Assam)	(B)	Hessaaghatta (Karnatal	ka)
	(9)	Hosur (TamilNadu)	(D)		
9.	Wha	t is the incubation period	d for hatching Japar	nese quail eggs?	
	Vien	17 days	(B)	21 days	
	(C)	28 days	(D)	24 days	*
				3.0	
10.	Prod	uction of desirable chang	ges in human behavi	iour is called	
	(A)	Skill training	(B)	Experiential learning	
	VO	Education	(D)	Learning	
11.		hich type of mating in p ght for mating one after		e kept separately in a pen	and females are
	(A)	Pen mating	(B)	Flock mating	
	V.	Stud mating	(D)	Shift mating	
12.	How	many consecutive milking	ng should be recorde	ed while purchasing first ca	alving animal?
	(A)	Two consecutive	(0)	Three Consecutive	
	(C)	Four Consecutive	(D)	No need	
	* 1				
13.	What	t is the duration between	two consecutive eg	g laying in Chicken?	
	(A)	12–16 hrs	(B)	16–20 hrs	
	LON	25–26 hrs	(D)	30–35 hrs	
FAA	vs		4		β

14.	What is the milk yield range of	f Kangeyam cow?		
	(A) 400-500 kg	LOY	600-700 kg	
	(C) 800-900 kg	(D)	1000-1100 kg	
sensor Tro				
15.	Double spiny penis is present i	n		
	(A) Lizards	(B)	Tortoises	
	(C) Truths	VOT	Snakes	
10	m 1:1			
16.	The highest point of roof is			
	(A) Cave	(8)	Ridge	
	(C) Overhang	(D)	Span	
17	Doolring the house is done to			
17.	Backing the horse is done to	(D)	m : 11 1 c : 1:	
	(A) Turn the horse	(B)	Train the horse for riding	
	(C) Lead the horse		Find out defects in the Loin	
18.	Selective feeding can be avoide	d in		
	(A) Challenge feeding		Complete feeding	
	(C) Steaming up	(D)	Split feeding	
10	(c) Steaming up	(D)	Split lecting	
19.	The elephant has a	a ne se		
	(A) Double stomach	(B)	Big pleural space	
	Simple stomach	(D)	Complex stomach	
10.0				
20.	In Poultry Farm, Light is Essen	ntial For		
	(A) Growth	(B)	Egg Production	
109	(C) Warmth	(D)	Disease prevention	

21.	In In	ndia, the quality control of animal fee	d is regu	ulated by the legisla	ation laid do	wn by
	(A)	Veterinary Council of India		-1		
	(B)	Indian Council of Agricultural Rese	earch			
	(C)	Indian Council of Medical Research	1	(82) (8)		
	DI	Bureau of Indian Standards			94C	
22.	The	fat content in the highest in milk of				
	(A)	Goat	(B)	Cow		
	100	Buffalo	(D)	Dog		
					P. 1	
	i Ejir II					
23.		amino acid which has a primary	role in	the prevention of	muscular d	lystrophy in
	chic	ks is	(D)	01		
		Cysteine	(B)	Glycine		
	(C)	Histidine	(D)	Phenylalamine		
						*
24.	In fo	and numerosing the neuticle size is und	rand by	the following:		
24.	in ie	eed processing, the particle size is red	uced by	the following.		
	(a)	Cutting	1	*		
	(b)	Grating				
	(c)	Shearing			8	
	(d)	Impact grinding			-	
	(A)	only (a) and (b) are true				n.x
	(B),		Calaa		5	
	(C)	(a) and (b) are true, (c) and (d) are f	aise			
		all (a), (b), (c), (d) are true				
25.	The	only limiting amino acid in soybean m	neal is			
20.	(A)	lysine		methionine		
		leucine	(D)	9 4		
	(C)	reactife	(D)	arginine		

26.	The	enzyme which does not have copper a	s integr	al part of it is
	(A)	Cytochrome oxidase	(B)	Monoamine oxidase
	(C)	Tyrosinase	LOY	Xanthine oxidase
	1 1	The state of the s		
27.	Whic	ch of the following is most important i	n inhibi	iting the digestibility of paddy straw?
	(A)	Silica	(0)	Lignin
	(C)	Hemicellulose	(D)	Oxalate
	3			
28.	The s	safe upper limit for salts in drinking v		
	1	<3000 ppm	(B)	<500 ppm
	(C)	<1000 ppm	(D)	<1500 ppm
29.	The	unic said formed from muclais saids	avidatio	on is oxidised in tissues of ruminants and
23.		eted through urine in the form of	Oxidatio	on is oxidised in dissues of runniants and
	1	Allantoin	(B)	Hippuric acid
	(C)	Creatinine	(D)	Phenaceturic acid
	(-)		(-, /	
	31			
30.	Urea	-molasses-mineral blocks popularly c	alled 'B	uffalo chocolates' has been prepared by
	VI	NDDB, Anand	(B)	NDRI, Karnal
	(C)	ICAR	(D)	TANUVAS
31.	In In	dia, feeding standards for cattle was	develop	ed from
	(A)	Haecker's Feeding Standard	(0)	Morrison Feeding Standard
	(C)	Savage Feeding Standard	(D)	Wolff's Feeding Standard
*	- 1			
32.	For d	digestion of crude fibre in the rumen,	an optir	mum rumen pH should not be less than
	(A)	4.0	(8)	6.2
= =	(C)	7.0	(D)	7.4
β			7	FAAVS

[Turn over

33.	Reco	mbinant human protein used as a drug	in Ca	ancer condition
	(A)	Interferons (α, β, γ)	BI	Interleukins
	(C)	Insulin	(D)	α_1 antitrypsin
34.	Inhe	ritance pattern in ABO blood group sys	tem in	Humans
	(A)	Hierarchical dominance	(10)	Hierarchical co-dominance
	(C)	Dominance	(D)	Recessive
				*
	m			
35.		term "Gene" was coined by		
	(A)	Mendel, 1865	(B)	Boveri and Sutton, 1902
•	10)	Johannsen, 1909	(D)	Bateson, 1905
36.	Chro	masama numban in Tunnan avaduama		
30.		mosome number in Turner syndrome		45, XO
	(A)	46, XX	(D)	
	(C)	46, XY	(D)	47, XXX
37.	Garo	le sheep breed belongs to		
	(A)	Orissa	(B)	Assam
	(2)	West Bengal	(D)	Telungana
38.	In In	dia, Artificial Insemination was started	first	at
•	(1)	Mysore	(B)	Izatnagar
	(C)	Karnal	(D)	Chennai
			- 4	
39.	Tara	breed belonging to Uttar Pradesh is a		
	(A)	Cattle breed	(0)	Buffalo breed
	(C)	Sheep breed	(D)	Goat breed
		The second second		

40.	Dom	inance of a trait is due to		
**	(A)	Inter allelic interaction	D	Intra allelic interaction
	(C)	Epistasis	(D)	Blending inheritance
		A STATE OF THE STA		
41.	Impo	ortant economic traits in cattle		
	LUNG THE REAL PROPERTY.	Milk yield and calving interval	(B)	Milk yield and tupping percentage
	(C)	Milk yield and weaning weight	(D)	Milk yield and coat colour
	2			
42.	Geno	otypic frequency in Dihybrid cross is		
	(A)	9:3:3:1	(B)	1:2:1:2:4:2:1:2:1
	(C)	1:1:2:6:2:3:1	(D)	1:1:1:1
43.	Dwa	rf cattle breed of Kerala		
	(A)	Malanad Gidda	(B)	Punganur
	LOY	Vechur	(D)	Pulikulam
44.	Whic	ch one of the following hormones have t	heir r	eceptor in the nucleus of target cell?
	(A)	Growth hormone	(B)	Glucagon
** *** ***	(C)	Growth factors	(D)	Thyroid hormones
45.	Find	out the correct reason for changing	of low	digestible feed to high digestible feed in
	nom	inants should take place gradually.		
	(A)	Rumen papillary size depends on the	diet	
	(B)	UFA production makes papillary gro	wth	
	(C)	Butyrate and priopionate favour pap	illae g	rowth
	100	All of the above are true		
	,			

46.	Whi	ch of the following is considered as c	ounter cu	rrent exchangers in the kidneys?
	(A)	Peritubular network	(B)	Loop of Henle
	(0)	Vasa recta	(D)	Efferent arterioles
47	mb.	noumal nongo of signting for time for		
47.		normal range of ejection fraction for	resting d	
	(A)	40 – 50 %	(6)	50 – 65 %
	(C)	65 – 80 %	(D)	> 80 %
			8	
48.	The	importance of hexose monophosphat	e pathwa	y in because of it generates
	(A)	NADPH	(B)	Ribose – 5 - Phosphate
	(C)	Pyruvate	100	Both (A) and (B)
49.	Thoi	important features of avian lungs is	goo ovobo	
10.	(A	gas flows during inspiration and e		
	(B)	only during inspiration	xpiration	
			0_	
	(C)	only during expiration		
	(D)	gas does not flow through lungs		
50.	Micro	obial proteins can be synthesized in	the rume	n by using one of the following
	(A)	Dietary carbohydrates	1/2	
ι	DY.	Non – protein nitrogen sources	100	
	(C)	Volatile fatty acids		* "
	(D)	Microbial destruction		
51.	The I	Bovine uterus is attached to the later	ral wall o	f pelvic cavity by
	(A)	Dorsal Intercorneal Ligament		
	(B)	Suspensory Ligament		
•	(0)	Broad Ligament		
	(D)	Ventral Intercorneal ligament	V 31	

52. Assertion (A) : The large and small colon of horse is sacculated

Reason (B): Muscular bards or tacriae are present in the horse colon

- (A) Both (A) and (B) are false
- Both (A) and (B) are true. (B) is the reason for A
 - (C) (A) is true but (B) is false
 - (D) (A) and (B) are true but (B) is not the reason for A

53. Match the following:

- (a) Saccus caecus 1. Pig
- (b) Torns pyloricus 2. Muscular stomach
- (c) Coprodeum 3. Stomach of horse
- (d) Gizzard 4. Cloara of fowl
 - (a) (b) (c) (d)
- A) 3 1 4 2
 - (B) 2 4 1 3
 - (C) 4 2 3 1
 - (D) 3 4 1 2

54. Identify the true statement?

- (1) Tongue is prehensile in Horse
- (2) Fungi form, foliate and vallate papillae of tongue carries taste buds
- (3) Torus linguae in absent in tongue of Ox
- (A) All three statements are true
- Only 2 is true
 - (C) 1 and 2 are true, 3 is false
 - (D) 2 and 3 are true, 1 is false

	Cere	ebellomedulary distern is penetured for the collection of CSF in the following	lowing space
	(A)	Sacro – caudal space	and the
X	VO	Atlanto – occipital space	
	(C)	Lumbosacral space	
	(D)	Sacrocandal and lumbosacrel space	
15			
40.00			
56.	Whic	ch of the muscles belong to the hamstring group?	*
•	(A)	Biceps femoris, semi tendinosus, semin membranosas	
	(B)	Obturator internus, gluteus medius, quadratus femoris	80 8
	(C)	Flexor carpi ulneris, superficial digital flexor deep digital flexor	
	(D)	Gracilis, pectineus, adductor	
	سا		3
57.		virulence factor for streptococous pneumoniae is	
	(A)	C-reactive protein	
	(B)	Bacitracin	
	(C)	Endotoxic lipopolysaccharide	
1	(20)	Capsular polysaccharide	
-0	To see 1		
58.	Foot	hill abortion in cattle is due to the infection wilt	
	(A)	Chlamydia psittaci	* - *
	(B)	Chlamydia pneumoniae	
	(C)	Chlamydia trachomatis	8 (
	(D)	Camphylobacter foetus	
i9.	Which	h of the following substances is not released during an analyle of	
		h of the following substances is not released during an anaphylactic re	action?
	(A)	Histamine (B) Kirins	
		C3a anaphylatoxin (D) Serotorin	
	CTC		47.1

60.	Cold	enrichment procedure is require	ed for the gro	owth of	
	(A)	Mycobacterium bovis			
	(B)	Corynebacterium pyogenes			
	VOY	Listeria monocytogenes			
	(D)	Clostridium pertrigenes			
61.	Cono	erning antimicrobial which a	entihiotias hi	inds DNA and inhibits	roplication and
01.		scription is	intibiotics bi	inds DIVA and minibits	replication and
,		Actinomycin D	(B)	Chloramphenicol	
	(C)	Polymyxins	(D)	Penicillin	
62.	Path	ogenic Staphylococci responsible	for mastitis	in dairy animal is	
	(A)	Staphylococcus aureus subsp	anaerobius		
	(B)	Staphylococcus intermedivs			
	10	Staphylococcus aureus			
	(D)	Staphylococcus hyicus			
63.	The f	following trigger germination of	spores excep		
	(A)	Glucose	(B)	Lipids	
1	(0)	Alanine	. (D)	Adenosine	
64.	Chlo	ramphenicol is destroyed by		• • • • • • • • • • • • • • • • • • • •	
12	مريد ا	Acetyl transferase			
	(B)	Beta lactamase			
	(C)	Phospho transferase			
	(D)	Nucleotidye transferase	Tage of		
	(1)	2. actoriaje pranotorase			

65.	Blue	tongue virus belongs to the genus		The second secon
	(A)	Rhinovirus	(B)	Rotavirus
	VO)	Orbivirus	(D)	Orltoreovirus
66.	Felin	ne ringworm is usually caused by		
	(A)	Microsporum audocinii	(3)	Microsporum canis
	(C)	Microsporum felis	(D)	Trichophyton felis
67.	Dete	rgents are		
	(A)	Low level germicides	(B)	Excellent antiseptics
٠,	(C)	Excellent disinfectant		High level germicides
68.	Haer	norrhagic septicaenua is, an acute, higi	hly fet	al disease of cattle is caused by
	(A)	Pasteurelle maltocide serotype A : 3		
	(B)	Pasteurelle maltocide serotype D : 2		
	100	Pasteurelle maltocide serotype B : 2 a	and E	: 2
	(D)	Pasteurelle maltocide serotype F : 4		
69.	Supe	roxide ion is toxic to strict anaerobes b	ecause	they lack
	(A)	catalase	(B)	dismutases
	(C)	peroxidases	(D)	oxidases
70.	John	e's disease is caused by		
	(A)	Mycobacterium aviam ssp. aviam		
,	(3)	Mycobacterium aviam ssp paratubero	culosis	
	(C)	Mycobacterium simiae		
100	(D)	Mycobacterium xenopi	0[] 	

71.		nants of nuclear maternal appears	r as single o	r double spherical brush bodies in RBG are
	(A)	Heinz bodies	(B)	Inclusion bodies
	SO	Howell-jolly bodies	(D)	Lichy bodies
*				
72.	Curl	ed toe paralysis in chicks is due	to	
	(A)	Vitamin C deficiency		
	(B)	Thiamine deficiency	a a	
	(C)	Choline deficiency		
	0	Riboflavin deficiency		
			13.	
73.	Type	of Giant cell seen in tuberculosi	s	
	(A)	Reed-Stenberg cells	(B)	Touton giant cell
	10)	Langhan's giant cell	(D)	Tumor giant cell
74.	In ro	crosis, fragmentation of the nucl	ous is called	25
.14.				
	(A)	pyknosis	(B)	karyolysis
	(6)	karyorrhexis	(D)	chromatolysis
1				
			8	1.71 - 6
75 .		egranide seed shaped gramles se		
	(A)	cattle	(B)	pig
	(C)	cat	(0)	horse
76.	In A	vian psittacosis, the renal epithe	lium contain	S
	(A)	Bollinger bodies	(8)	LCL bodies
	(C)	Barr bodies	(D)	Nigri bodies

77.	Tors	sion of the uterus is most common in			
	(A)	Horse	(B)	Dog	
	·(C)	Sheep	107	Cow	
		290			
78.	Infla	ammation of caecum is known as			
	1	Typhlitis	(B)	Proctitis	
	(C)	Colitis	(D)	Peritonitis	
79.		worm causing macrocytic hypo chromin B ₁₂ is	omic	anaemia by competing with the host for):
	(A)	Dipylidium caninum			
	(B)	Meso cestoides lineatus			
	(C)	Taenia saginata			
	(0)	Diphyllobotharium latum			
80.	Baso	philic stippling is a hematological chan	ge see	en in	
	(A)	Arsenic poisoning	(B)	Nitrite poisoning	
	100	Lead poisoning	(D)	Mercuric poisoning	
v 1					
81.	In Tr	ypanosomiasis, the main biochemical a	lterat	tion in the blood is	
	(A)	Hyperglycemia	DI	Hypoglycemia	
	(C)	Hypoproteinemia	(D)	Hypo calcemia	
82.	Cysts	s of Giardia lamblia can be concentrated	d by u	sing	
•	JUN -	Zinc sulphate solution			
	(B)	Saturated salt solution			
	(C)	Sodium nitrate solution			
	(D)	Normal saline solution			

83.	Pero	neal tenotomy is done in Horse to trea	t		
	(A)	Hamstring	(B)	Haltstring	
	101	String Halt	(D)	Both (A) and (B)	
				W.W.	
84.	Post	operatively, Animal should not be kep	ot in thi	is recumbency	
	(A)	Ventral	(B)	Right lateral	
	(C)	Left lateral	V(D)	Dorsal	
			71		
~~	D 1	1 1 0			
85.	X 7	o opaque cystic caliculi are made of	(D)	0.31	
	(A)	Calcium oxalate	(B)	Silica	
	(C)	Cystine	1	Both (A) and (B)	
	ar in			na tingga sake	
86.	Color	r assigned by ultra sound machine to	aorta &	vena cava is related to	
	(A)	Color of blood			
	(B)	Velocity of blood flow			
	(C)	Direction of blood flow			
2	(0)	Both (B) and (C)			
	(10)	Both (B) and (C)			
87.	Foeta	al well being is monitored by assessing	g		
	141	Amniotic creatine			
	(B)	Allantoic creatine			
	(C)	Yolk sac creatine			
	(D)	Chorionic creatine			
		* ' - */			
88.	"Hoo	oded" cervix is a problem in A.I. of			=
	(A)	Horse	(B)	Cattle	
100	(C)	Dog	VO)	Sheep and goat	

	(A)	S.J. Roberts	100	DuVigneaud
	(C)	E.S. Hafeez	(D)	Douglas
	100			
90.	Sele	enium and Vit. E has mutually inclusi	ive relati	on with this-in health protection
	(A)	Vit. A		
	VO	Sulfur containing amino acid		
	(C)	Copper		
	(D)	Molybdenum	8.	
0.1	× 7			
91.	Vita	min A deficiency in cattle are charact	terised by	y
	(i)	Night blindness		
	(ii)	Increase in CSF pressure		
	(iii)	Rough dry coat		
	(iv)	Xerophthalmia		
	(A)	(i) and (iv)	(B)	(i), (iii) and (iv)
	(C)	(i), (ii) and (iii)	VON	(i), (ii), (iii) and (iv)
y .				
	~		7 7 1	
92.		sider the following statements:		
	1.	Pregnancy toxaemia of cattle		
	2.	Pregnancy toxaemia of sheep		
	3.	Fat cow syndrome of cattle		
	4.	Acetonemia of cattle		
. \	(11)	1 and 3 denotes same disease		
	(B)	1 and 2 denotes same disease		
	(C)	1 and 4 denotes same disease		
(f. (43)	(D)	3 and 4 denotes same disease		

Nobel prize winner for synthesizing oxytocin is

89.

93.	150	electric point of casem at is pir		
	(A)	5.3	(0)	4.7
	(C)	6.2	(D)	5.8
	- u/S			
94.		is used for demineralization	of bon	es during gelatinc production.
	JUN 1	Hydrochloric acid	(B)	Sulfuric acid
	(C)	Acetic acid	(D)	Nitric acid
95.	Elect	trical stimulation of the carcass ———		- the time for the onset of rigor mortis.
	(A)	Stops	100	Shortens
	(C)	Maintains	(D)	Extends
		milita a in the spirit.		
96.		is not included in poultry gi	blets.	
	(A)	heart	(B)	liver
	101	lung	(D)	gizzard
18				
97.	High	risk animal waste must be heated to	a core	
	1	133°C for 20 min	(B)	95°C for 10 min
	(C)	150°C for 15 min	(D)	100°C for 7 min
	81			
98.	Pale	, soft and exudative condition is obser	ved in	
	(A)	frozen meat	(0)	fresh meat
,	(C)	cured meat	(D)	fermented meat
99.	Gro	wth of penicillium spp on egg shell or j	ust ins	ide it causes
	(A)	Yellow rot	100)	Pin spot
4 T	(C)	Red rot	(D)	Black rot
	20 (3)			

100.	In w	hich year the Government of India constituted the Indian Board for Wild life for wild life
		ervation?
	V	1952 (B) 1955
	(C)	1958 (D) 1960
101.	In w	hich scheme the provision for animal insurance compound is available
	(A)	Livestock Health and Disease control scheme
	(B)	Rashtriya Gokul Mission
	VO	National Livestock Mission
	(D)	National Dairy plan
102.	The l	preed evolved out of crossbreeding between Tharparkar and Holstein - Friesian is
	سيسكا	Karan Fries (B) Thar Fries
	(C)	Karan Swiss (D) Holstein - Parkar
102	N	
103.	Non-	ash cost is otherwise known as
	(A)	Fixed cost Implicit cost
	(C)	Opportunity cost (D) Variable cost
104	D14	V
104.	Poult	y Venture Capital fund scheme of Government of India is implemented through
	(A)	Indian Bank
\	(3)	National Bank for agriculture and rural Development
	(C)	State Bank of India
ř.	(D)	Union Bank of India

105.	The	contribution of livestock sector to total	GDP	at current prices (2015-16) is
	(A)	3.5 %	48	4.5%
	(C)	6.2%	(D)	8.4%
			4	
106.	Whic	th one of the following is not the native	cattle	breed of TamilNadu is
	(A)	Alambadi	(B)	Bargur
	CO	Jersey	(D)	Pulikulam
	~			
107.	Cent	ral Cattle Breeding Farm is located at		
		Alamudhi	(B)	Bargur
	(C)	Sivagangai	(D)	Korkai
	#		,	
108.	Drod	using output at the minimum ressible		salled as
100.	(A)	ucing output at the minimum possible V-efficiency	Cost is	X- efficiency
100	100		(D)	
	(C)	Y – efficiency	(D)	Z– efficiency
109.		is the process of introducing	ng air	or any substance into the female organ of
	cow t	o get more milk.		
	(A)	Bishoping	(B)	Phooka
2 2	(C)	Bestiality	(D)	Mischief
	*			
110.	Natio	onal Dairy Development Board (NDDB) was	
	(A)	1955	(3)	1965
	(C)	1975	(D)	1985
				-
111.		ality is punishable under the section –		——— IPC.
* 1	(A)	272	(B)	273
		377	(D)	420
		100		

	prod	uction?		
	(A)	5	(B)	10
	(C)	15	La participation of the second	20
1	1.5			
113.	Wha	t is the floor space requirement fo	r cow?	
	(A)	$3.0~\mathrm{m}^2$	(5)	$3.5~\mathrm{m}^2$
	(C)	$4.0~\mathrm{m}^2$	(D)	4.5 m ²
114.	The	heritability of the body weight of a	.5	
	VA)	Highly	(B)	Moderately
	(C)	Poor	(D)	Not
115.		ng the following poultry species, w	T	
	(A)	Duck	(B)	Chicken
	C	Guinea Fowl	(D)	Turkey
5.				
116.	Whic	h is the home tract of Bargur catt		
•		Erode	(B)	Krishnagiri
	(C)	Dharmapuri	(D)	Salem
			2 00 10	
	****) ·		
117.		ch is the goat breed of Jersey?		
	(A)	Sannen	(B)	Anglo Nubian
	(C)	Togenberg	(D)	Angora
			*	
118.	Ecto	parasiticides can be applied to pre	gnant and	breeding rams by
	(A)	Swim bath	(0)	Hand bath
	(C)	Spraying	(D)	Dusting

What should be the replacement rate of dairy cattle and buffalo for maintaining efficiency of

112.

119.	In temporary dentition ————————————————————————————————————	osent.
	(A) Premolar teeth	(B) Canine teeth
•	(C) Molar teeth	(D) Incisors
120.	Consider the following statements:	
		may induce osteoporosis in tigers.
	Reason 2 : Meat is imbalanced	with calcium and phosphorus.
·	Both 1 and 2 are true and 2 is the rea	ason for 1
`	(B) Both 1 and 2 are true, 2 is not the cor	rrect reason for 1
	(C) 1 is true but 2 is false	
	(D) Both 1 and 2 are false	
121.	The iron requirement of baby pig is increase	ed because of
	1. Its rapid growth rate	
	2. High rate of hemoglobin synthesis	
	3. Low placental transfer of iron	
	4. Low transfer of iron into cow milk	
, T	100-14	(B) 1 and 3 only
	(C) 1, 2, 3 and 4)
	(C) 1, 2 and 4 only	(D) 1, 3 and 4 only
122.	The practise of increasing the nutrient intal	ke of eves prior to and during breeding is called
,	Flushing	(B) Creep feeding
	(C) Ship-a-day feeding	(D) Restricted feeding
123.	Average feed consumption of an adult indige	enous pig is
	(A) 5 kg/day	(b) 2 kg/day
7 ·	(C) 3 kg/day	(D) 1 kg/day

124.	DCP	percentage is highest in		
	LAN	Lucerne hay	(B)	Paddy straw
	(C)	Oat hay	(D)	Sorghum
125.	Whic	ch of the following is common to	Salseed, Sorg	ghum and Jowar?
	(A)	Mowrin	(0)	Tankins
	(C)	Lignin	(D)	Glucosinolate
126.	The	general ratio between roughage	and concentr	ate in dairy cattle ration is
	(1)	60 : 40	(B)	40:60
	(C)	30:70	(D)	25:75
× 10				
127.	Pica	is due to deficiency of	la act	
	(A)	Calcium	(8)	Phosphorus
	(C)	Magnesium	(D)	Selenium
128.	Fore	milk is low in ——— c	ontent than h	ind milk.
,	(1)	Fat	(B)	Lactose
	(C)	Protein	(D)	Vitamin D
129.	How	much kilogram of fodder can be	stored in one	cubic metre of silo pit space?
	(A)	100 kg	(B)	200 kg
	(C)	$300~\mathrm{kg}$	VO	400 kg
130.	Cats	are very sensitive to deficiency	of an amino a	cid
	(A)	Arginine	(B)	Lysine '
	(C)	Methionine	NO P	Taurine
				The second secon

131.	4 00 2	daily DCP and TDN requirement for g average daily gain of 100 g/day as per		g Indian sheep weighing 10 kg body weight CAR recommendation is
	(A)	36 g DCP and 199 g TDN	100	56 g DCP and 299 g TDN
	(C)	76 g DCP and 399 g TDN	(D)	100 g DCP and 500 g TDN
	1. 10			
132.	Roug	hages are bulky feeds containing of		
	(A)	">" 18% crude fibre and "<" 60% TDN	Ņ	
	(B)	">" 18% crude fibre and ">" 60% TDN	1	
	(C)	"<" 18% crude fibre and "<" 60% TDN	J	
.51	(D)	"<" 18% crude fibre and ">" 60% TDN	J	
133.	Dide	oxy chain termination method of DNA	seque	ncing is developed by
	(A)	Maxam and Gilbert	(10)	Sanger
	(C)	Kary Mullis	(D)	Watson and Crick
134.	The calle		for a	an amino acid into a terminator condon is
	(A)	Missense mutation	10)	Nonsense mutation
. 44	(C)	Frame shift mutation	(D)	Silent mutation
135.	Orga	nisms that lack a defined nucleus	16	
	(A)	Plant cells	(B)	Mammalian cells
	10	Prokaryotes	(D)	Eukaryotes
136.	Proto	Oncogenes in normal cell codes for	*	
	(A)	Initiate apoptosis	(B)	Stimulation of cell division
	(C)	Supress cell cycle	(D)	Causes DNA damage
14				

- 137. In Kerala Sunandini breed was evolved by crossing
 - Brown Swiss with Non descript cattle
 - (B) Jersey with Non descript cattle
 - (C) Holstein with Non descript cattle
 - (D) Brown Swiss with Vechur Cattle
- 138. Repeatability (r) is defined as
 - (A) $r = \frac{\text{Total Phenotic variance} + \text{Genetic variance}}{\text{Environmental variance}}$
 - $r = \frac{\text{Genetic variance} + \text{General Environmental variance}}{\text{Total Phenotypic variance}}$
 - (C) $r = \frac{\text{Total Phenotypic variance}}{\text{Genetic Variance} + \text{Environmental Variance}}$
 - (D) $r = \frac{Additive \ variance + Environmental \ variance}{Total \ Phenotypic \ variance}$
- 139. Heritability is measured by the formula
 - (A) $h^2 = \sigma^2 A + \sigma^2 P$
 - (C) $h^2 = \frac{\sigma^2 P}{\sigma^2 A}$

- $h^2 = \frac{\sigma^2 A}{\sigma^2 P}$
 - (D) $h^2 = \sigma^2 P \sigma^2 A$
- 140. Chromosomes are found in a cell during
 - (A) Interphase stage of cell division
 - Metaphase stage of cell division
 - (C) All the stages of cell division
 - (D) Cytokinensis
- 141. Barred condition in poultry is due to
 - (A) Autosomal inheritance
 - Sex linked gene

- (B) Sex influenced gene
- (D) Sex limited gene

142.		neat stressed ruminants are more sus h cannot contribute the acidosis in run	100	le to rumen acidosis. Find out from the list
	(A)	Reduced feed intake		
	(B)	Reduced saliva production		
	(C)	Less absorption of VFA from rumen		
,	D	Less gas formation in the rumen		
143.	The t	otal number of ATP produced through	compl	lete oxidation of one molecule of glucose
1	45	36	(B)	34
	(C)	40	(D)	32
144.	Follo	wing are the important features of sec	ondary	rumen contractions except
	(A)	Removal of CO ₂		
	(B)	Removal of CH ₄		
	(C)	Prevention of distension of rumen		
,	00)	Moving gases away from cardia		
145.	The r	nean pulmonary artery pressure for la	rge an	imals (ranges)
	سروعا	20 – 30 mm Hg	(B)	10 – 20 mm Hg
	(C)	40 – 50 mm Hg	(D)	80 – 100 mm Hg
146.		l domestic animals, which pair of the erature	follow	ving are able to withstand extremes of hot
	(A)	Dug and Cat	(B)	Pig and Goat
,	C	Cattle and Sheep	(D)	Pigs and Cat
147.		tion of cows to hormone injections for ministration of	prolon	ged rise is a characteristic nature observed
	(A)	Growth hormone	(B)	Insulin
	(C)	Vitamin D ₃	1	Oxytocin
		The state of the s	,	★

	(a)	Lignoid flexur	e	1.	Glans peris of stallion
	(b)	Colliculus sem	ninalis	2.	Failure to descent to scrotum
-	(c)	Phallus		3.	Penis of bull
	(d)	Cryptorchid te	estis	4.	Analogue of mammalian peris in fowl
	(e)	Corona glandi	s	5.	Pelvi urethra
	1	(a) (b)	(c)	(d)	(e)
	VI	3 5	4	2	1
	(B)	5 4	3	1	2
	(C)	4 3	1	5	2
	(D)	1 2	3	4	5
149.	Amo	ong the abdomin	al viscera	, the i	following organ — is retro peritioneal in
	posit	tion.			
	(A)	Stomach	T _V		
`	(6)	Kidney			
	(C)	Intestines	*1		
	(D)	Liver	¥2.7		
				9	
150.	Thor				pest performed in the standing animal by puncture of
٠,		6 th or 7 th interes			stochondral junction
	(B)	3 rd or 4 th interes	costal spa	ce	
	(C)	11th or 12th int	ercostal s	pace	
	(D)	4th or 5th interes	costal spa	ce	

Match the following:

148.

FAAVS

151.	Assertion (A) : In panting dogs, circulation of blood through many arteriovenous
	anastomosics within the tongue promotes evaporation of saliva
	Reasons (B) : Arteriovenous anastomoses are also concerned in thermo regulation /
	temperature regulation
	(A) is true but (B) is false
	Both (A) and (B) are true. (B) is the reason for (A)
	(C) Both (A) and (B) are false
	(D) (A) and (B) are true but (B) is not the reason for (A)
152.	Fibrous strands that connect the papillary muscle to the valvular cusps of heart in termed
	as?
ų.	(A) Trabecular carneae (b) Chordae tendiae
	(C) Crista terminalis (D) Stria terminalis
153.	Assertain (A) . Stiffs is int function as a Hings is int
199.	Ascertain (A) : Stifle joint function as a Hinge joint
	Reason (B) : Free movement in the joint is restricted to flexion and extension
	(A) Both (A) and (B) are false
	(B) (A) is true and (B) is false
V	Both (A) and (B) are true and (B) is the reason for (A)
	(D) Both (A) are (B) are true and (B) is not the reason for (A)
54	The nerve that may be compressed during difficult parturition in cow is

(A)

(C)

Sciatic nerve

Peroneal nerve

Gluteal nerve

Obturator nerve

155.	Mor	axella bovis causes		V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	VIII	Kerato conjunctivitis in cattle	(B)	Dermatitis in horses			
8	(C)	Pustular oedema in sheep	(D)	Sangene in pigs			
				and the second second			
156.	Fun	gi which do not have sexual life cycle b	pelong t	o the cless of			
	(A)	Ascomycetes	(B)	Basidiomycetes			
	J'S	Deuteromycetes	(D)	Phycomycetes			
157.	Blui	sh pigment formation is unique to the	culture	of			
	(A)	Pseudomonas pseudomallei	(B)	Pseudomonas mallei			
•	100	Pseudomonas aeroginosa	(D)	Serratia marsecens			
	Ţ		*				
158.	Brucellergin test / abortion test indicative of						
	(A)	Carrier state	(3)	Infection			
	(C)	Immunity	(D)	Susceptibility			
159.	Your	ng neonales are highly susceptible to E	Ccoli inf	fection because			
•	(1)	They have receptors for K88					
	(B)	K antigens are active					
	(C)	Qualitative deficiency of immunity					
	(D)	Environment					
160.	Lanc	efield classification of streptococci is b	ased or				
	(A)	M and T antigens					
	(B)	M, T, R antigens					
•	CO	C substances / antigens					
	(D)	M antigen					

161.	Effe	ctive transmission of a microbial agent	occurs	s by	
	I.	Ingestion			
	II.	Inhalation			
	III.	Mucosal, cutaneous or wound contam	ination	1	
	(4)	•	. /	,	
	(A)		(D)	III	
	(C)	П	(D)	I and II	
162.	Ken	nel cough in dogs is caused by		·	
	(A)	Actinobacillus pleuropneumonial			
	(B)	Klebsiella pneumonial			
	10)	Bordetella bronchiseptica			
	(D)	Pasteurella haemolytica			
			¥.		
					1
163.		r natural infection with a type/subtyp type/subtype is	e of F	MD virus, the immunity produ	ced against
	(A)	Lifelong	(B)	About 5 years	
	(C)	Not more than 2 years	D	Not more than 12 months	
164.	Proz	cone phenomenon is encountered with		Sagaran Santa da Santa da Araba da Arab	
	(A)	Complement fixation test		X	
	(P)	Agglutination reaction			
	(C)	Immuno electrophoresis			
	(D)	ELISA			
105					
1 4- 12	A	1 (01)			
165.	Arth	propod vector of blue tongue disease is		D	
165.	Arth (C)	Culicoides Mosquitoes	(B) (D)	Biting flies Ticks	

	(A)	Acarus favinae		
	D	Cytodites midus		· ·
	(C)	Caparinia tripilis		
	(D)	Glyciphagus domesticus		
			*	
167.	Elep	hant hide condition in cattle is cause	d by	2 2 2 200
	(A)	Sarcocystes bovitelis	(B)	Isospora rivolta
	LOY	Besnoitia besnoiti	(D)	Hammondia hammondi
168.	Tum	bu fly or skin maggot fly is		
•	(1)	Cordylobia anthropophaga		
	(B)	Callitroga hominivorax		
	(C)	Auchmeromyia cuteola		
	(D)	Sarcophaga haemorrhoidalis		
			#F @	
169.	Bubo	onic plague is transmitted by		
	(A)	Cteno cephalides felis	(B)	Pulex irritans
•	(0)	Xenopsylla cheopis	(D)	Echidnophaga gallinacea
				and the state of t
170.	Milk	spot or white sport in liver of pig is o	aused by	y
	(A)	Fasciolopsis buski	(B)	Stephanurus dentatus
	(C)	Strongyloides ransomi	(0)	As caris suum
171.	Rat f	ailed appearance in horses is caused	by	
	(4)	Oxyuris equi		
1	(B)	Strongylus valgaris		
	(C)	Habronema majus		
	(D)	Strongyloides papillosus		
	~ ∃8/	Pupul		

166. Air sac mite of fowls is

114.	111 15	lack quarter, which toam produces newtizing and naemolytic changes
	(A)	Gamma toxin (B) Alpha toxin
	(C)	Delta toxin (D) Beta toxin
173.		is a highly infections viral disease of cattle and even after recovery the virus
		ains latent in sciatic and tri geminal ganglia.
	(A)	Bovine ulcerature mammilletis
1	CO P	Infections Bovine rhino tracheitis
	(C)	Bovine viral diarrhoea
	(D)	Rinda pest
	* 10	
174.	The plate	organism first replicate in the myocytes then enters the nervous system at motor end es in
	(A)	Canine distemper (B) Canine encephalitis
	(0)	Rabies (D) Tetanus
1		
175.	In co	ntagious cethyma or orb the charartue cerious consist of
	(A)	Papules, vesicles and pustules in foot
	(B)	Papules, vesicles and pustules in fail
	100	Papules, vesicles, pustules and scab in lips and corners of mouth
e*	(D)	Papules, vesicles, pustules and scab in ventral abdomen
	9.7 Z	
176.	The	pathognomonic lesion is Johne's Discase is
	(A)	Zebra marking in intestine
	(B)	Button ulcers in intestine
	NO)	Mucosal folding with transverse corrugational thickening of intestine
	(D)	Haemorrhagic enteritis
	4)	

177.	Kocl	h's blue bodies contain		
	(A)	Piroplasms	VOS	Macro Schizonts
4	(C)	Sporonts	(D)	Gamonts
				* ×
178.	Spin	use ear tick is		
	(A)	Argas reflexus		
	DY	Otobius megnini		
	(C)	Ornitho doros moubata		
	(D)	Ornitho doros savignyi		
179.	DMS	60 – a protective agent for freezing of l	Embryo	ois
	100	Dimethyl Sulfoxide		
	(B)	Dimethane Selenium	- 40	
	(C)	Dimethyl Strontium		
	(D)	Dulbeccos Methyl Sulphuric Oxalate		
	54.			
180.	Wild	Life (Protection) act was formulated in	n the y	ear
	(A)	1971	(0)	1972
	(C)	1970	(D)	1973
		1 2 200		
181.	Veter	ro legal post mortem can be carried ou	t on the	e written order of
	(A)	Superintend of Police	(B)	District Magistrate
	(C)	Coroner	VO)	Either (A) or (B) or (C)
7. 7.				
182.	In co	w nerve block for caesarian section is		
	(A)	Paravertebral	(B)	Lumber epidural
•	(8)	(A) or (B)	(D)	Both (A) and (B)

- 183. A.I. was practised first in fourteenth century in
 - (A) Indian cattle

(B) England cattle

American mare

(D) Arabian mare

- 184. CL can be destroyed by
 - (A) Murder (inducing uterine interlysine)
 - (B) Starvation death (removal of tropic stimuli)
 - (C) Oldage death
 - (A), (B) and (C) it is end of finite life span
- 185. Prepubic desmorrhexis of pregnancy is
 - Rupture of prepubic tendon common in mare
 - (B) Common in cow
 - (C) Common in ewe
 - (D) Common in dog
- 186. Fetal maceration has been observed in cow at
 - (A) early stage of gestation
 - (B) later stage of gestation
 - (C) middle stage of gestation
 - any stage of gestation
- 187. Monesterous animals are those having estrous cycle
 - (A) One per season eg Wild animal
 - (B) One per month eg Elephant
 - (C) One per life time eg Lion
 - One per year eg Wild animals

β

35

188.	Mon	o sodium glutamate is used to enhance	ce	
	L	flavour	(B)	colour
	(C)	texture	(D)	tenderness
189.	High	proportion of high melting point fats	leads t	o ——— butter.
	(A)	crumbly	(B)	greasy
	VE	gummy	(D)	leaky
190.	The	maximum solubility index should be -		for spray-dried milk.
•	VI)	2%	(B)	15%
	(C)	5%	(D)	10%
191.	Milk	is an ———— emulsion.		
	LA P	oil in water	(B)	oil in oil
	(C)	water in oil	(D)	protein in oil
192.		mortem inspection is done at ———	,	points.
	(A)	Blood and Viscera	(B)	Head and Viscera
	VO)	Head, Viscera and Carcass	(D)	Blood, Head and Carcass
100				
193.				under emergency slaughter.
	(A)	High fever	· (B)	Bruises
	(C)	Jaundice	VD)	Lumbar Fracture
104	D: 1			
194.	B1010	gical value of beef muscle is	——%	
•	(0)	92	(B)	84
	(C)	75	(D)	100
- 17				

195.	In m	ost of the health	y animals,	the serum	mg (r	magnesium) concentration will be	
	(A)	1.09-2 mg/dl			(B	3) $1.2 - 3.1 \text{ mg/dl}$	

- 1.7 3.0 mg/dl (D) 1.5 2.5 mg/dl
- 196. Differential diagnosis of recumbency in parturient adult cattle a viral disease is

 (A) MOP

 (B) Grass tetany

 (C) Ephemeral fever

 (D) Downer syndrome
- 197. Inosine monophosphate and hypoxanthine contribute of meat.

 (A) Colour

 (C) Texture

 (D) Odour
- 198. A is a can in which one end is bulged but can be forced back into normal position, whereupon the opposite end bulges.
 (A) Flipper
 (B) Springer
 - (C) Hydrogen swell (D) Leaker
- 199. Major constituent of poultry egg shell is
 - (A) Magnesium (B) Copper (C) Phosphorus Calcium
- 200. Biochemical Oxygen Demand (BOD) is a measure of the amount of oxygen required by the microbes to assimilate available nutrients in a liquid system into microbial cell in
 - (A) 7 days at 30°C (D) 4 days at 30°C (D) 4 days at 30°C