	B.Tech. D
3 7	18BTC2 (For the candidates ac
Note: (i) (ii)	Part - A should be answered over to hall invigilator at the Part - B should be answered
Time: 2 ¹ /	4 Hours
	PART –
1.	Answ Which of the following tec and son? (A) Inter breeding (C) Close breeding
2.	In animal diseases, the leth (A) Brain disease
	(C) Liver disease
3.	Which of the following is (A) Goat (C) Sheep
4.	
5.	The transgenic fish is prod
	(A) Microinjection(C) Gene gun
6.	In human, fertilization of occurs in(A) Ovary (C) Uterus
7.	In native bread, the over ovulation. (A) 4-24 (C) 8-16
8.	
	(A) Endometriosis (C) Hormone imbalance
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Reg. No.								
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DEGREE EXAMINATION, JUNE 2022

Sixth Semester

C203J – ANIMAL BIOTECHNOLOGY admitted from the academic year 2018-2019 to 2019-2020)

Note: (i)		over	- A should be answered in to hall invigilator at the en	n OMR sheet w d of 40 th minute	ithin first 40 minutes and OMR shee.		ld be	han	ded
(ii)		Part	- B should be answered in	answer booklet.					
Time:	21/	4 Hou	ırs			Max.	Ma	rks:	75
						Marks	BL	со	PO
				$(25 \times 1 = 25 \text{ N})$					
	_	، سالت		ALL Question		1	1	1	2,9
	1.			niques is assoc	iated with crossing between dam				,12
		and s		(B)	Intra breeding				
		(A) (C)	Inter breeding Close breeding	` '	Line breeding				
		(C)	Close diecung	(15)	Enic orecang				
	2.	In an	nimal diseases, the lethal	white overo	genetic disorder is related to	1	1	1	2,9 ,12
	٠.		Brain disease		Vascular disease				,12
		(A) (C)	Liver disease	(D)	Intestinal disease				
		(C)	Livel disease	(2)	mostmar disease				
	3.	Whi	ch of the following is fu	rst cloned man	nmal?	1	1	1	2,9 .12
	٠.				Dog				3.2
		(A) (C)	Goat Sheep	` ,	Buffalo				
		(C)	эцсер	(2)	Burune				
	4.		sugar is present	in milk.		1	1	1	2,9 ,12
		(1)		(B)	Lactose				,12
		(A)	Glucose Fructose	(D)	Galactose				
		(C)	Tructosc	(D)					
	5.	The	transgenic fish is produ-	ced by		1	1	1	2,9 ,12
			Microinjection	(B)	Electroporation				,
		(A) (C)	Gene gun	\ /					
	6.	In h	uman, fertilization occ	urs in fallopi	an tube. In animals, fertilization	. 1	1	2	2,3 7
			ars in	-					,,
			Ovary	· /	Fallopian tube				
		(C)	Uterus	(D)	Cervical region				
	7.		native bread, the ovum	gets fertilize	ed withinhours after	. 1	1	2	2,3 .7
			4 – 24	(B)	12 - 24				
		\ /	8 – 16	(D)	4 - 8				
	8.	` /		or infertility in	ı Kangeyam breed.	1	1	2	2,3 .7
	0,				Problem with ovulation				, /
			Endometriosis Hormone imbalance	\ /	Genetic disease				
Page 1	of 3	(C)	normone imparance	(D)	Conone discuse	01 JF 6-	18BT(C203J	

	9. Which type of ampules used for cryopreservation?				1	2	2,3	21. Which of the following is not associated with ionophore?	·		,6 2,) 7
		(A) Nylon	(B) Polypropylene				,7			/	,0 2,	,, ,9
		(C) Polycarbonate	(D) Polyethylene					(A) Nystatin (B) Doxorubicin (C) Quercetin (D) Chloroquine				
	10	The first embryo transfer was success		1	1	2	2.2					
	10.			1	1	2	2,3 ,7	22is NOT a ruminant animal.	1	5	,6 2,	,,7
		(A) Sheep (C) Goat	(B) Horse					(A) Deer (B) Goat			,2	9
		(C) Goal	(D) Cattle					(C) Sheep (D) Rabbit				
	11.	Which of the following statements is	correct with respect to transformation?	1	1	3	3,4	23. The term "somatomedins" is associated with	1	5,	,6 2.	.,7
		(A) Change in phenotype	(B) Uptake of naked DNA				,5	(A) Brain (B) Kidney			,ç	9
		(C) Gene transferred using virus	(D) Introduced gene using microinjection					(C) Liver (D) Intestine				
	10	Which of the Call Comments and the Call						24. Which of the following statement is NOT related to probiotics?	1	5,	6 2,	,7
	12.	culture?	frequent contamination in animal cell	1	1	3	3,4 ,5	(A) Induce macrophage (B) Stimulate IgA production			,9	9
		(A) Fungi	(B) Yeast					(C) Decrease TNF expression (D) Decrease IL-10 expression				
		(C) Bacteria	(D) Virus									
								25is NOT an example of rumen microbes.	1	5,	5 2,	,7
	13.	is NOT used as a buffer in	cell culture laboratory.	1	1	3	3,4	(A) Fungi (B) Bacteria			,,,	
		(A) PBS	(B) HEPES				,,,	(C) Protozoa (D) Algae				
		(C) HBSS	(D) IMDM									
	14.	During cell passaging, EDTA helps in	n	1	I	3	3,4	$PART - B (5 \times 10 = 50 Marks)$ Marks	ks BL	C) PC	0
			(B) Cell proliferation				,5	Answer ALL Questions				
		(C) Regulating pH	(D) Regulating temperature									
								26. a. Identify the breeding technique proposed for utilizing Heterosis in both dam and progeny. Explain it with neat illustration.	2	1	2,9 ,12	9 2
	15.	Which of the following is an example	e of suspension cells?	1	1	3	3,4	and progerly. Explain it with heat mustration.				
		(A) CALU-1	(B) SW-48				,5	(OR)				
		(C) HMC-1	(D) HeLa						2	1	2,9	
	16	Which of the following is related to 1	: 1 G O	,							,12	
		Which of the following is related to b		1	1	4	3,5 ,7	27. a. Highlight the methods involved in the artificial insemination.	2	2	2,3	3
		(A) A(H5N1)	(B) A(H3N2)					(OR)			8	
		(C) $\Lambda(H1N2)$	(D) A(H1N1)					b. Illustrate the steps involved in producing the transgenic animal.	2	2	2,3	3
	17.	The term "scrapie" is related to		1	1	4	3,5	producing the damageme diffinitian.			,7	
		(A) Liver disease	(B) Neural disease				,7	28. a. Discuss about contamination in animal cell culture.	2	3	3,4	4
		(C) Kidney disease	(D) Skin disease								,5	
		, , , , , , , , , , , , , , , , , , , ,	(2) Skill discuse					(OR)		_		
	18.	The asymptol is associated with		1	1	4	3,5	b. Write a description about different parameters that control bioreactor.	2	3	3,4 ,5	
		(A) Inactivated vaccine	(B) Conjugate vaccine	12			,7	29. a. Write an essay on the different diseases that occur in cattles.	2	4	3,5	5
		(C) Anti-idiotypic vaccine	(D) DNA vaccine								,7	
	19.	The causative agent for foot rot diseas	se in goat is	1	1	4	3,5	b. Explain the steps involved in vaccine production with examples.	2	4	3,5	5
		/ L >	(B) Clostridium chauvoei				,7		2	5.6	,7	
		(C) Bacillus anthracis	(D) Fusobacterium necrophorum					(OR)		٥,0	,9	
	20.	In cattle disease, the term "mastitis" is	s related to	1	1	4	3,5	b. Illustrate the steps involved in the manipulation of lactation.	2	5,6	2,7	7
		/ A > - =	(B) Udder				,7				,9	
		(C) Foot	(D) Tongue					* * * *				
Page 2	of 3								- Share	57.5	STORES OF THE PERSON NAMED IN	FEFEREN

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