SUBJECT CODE NO: - Y-2257

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (PATTERN-2013) T.Y. (SEM VI)

Examination April / May - 2024

Dairy Science and Technology Paper-XIX (Genetics and animal breeding)

[Tin	me: 1:30 Hours	Iax. Marks: 50
	Please check whether you have got the right question paper.	
N. B	1) Attempt All questions. 2) Use any blue or black pen. 3) Illustrate your answer with suitable labelled diagram.	
Q1	Define Mutation. Describe types of Mutation and probable agencies inducing	Mutation. 20
	OR ZI WO-He bottog not at the second of the	
	Describe the process of meiosis	
Q2	Describe the effect of inbreeding on growth, production & reproduction.	20
	Sentence of the contract of th	
	Write Short notes on any four.	
	 a) Modified dihybrid cross. b) Progeny testing. c) Nutritional causes of sterility. 	
	d) Species hybridization	
	e) Line breeding	
	f) Adaptability of cross breeds in tropics.	
Q3	Write the correct answers of following multiple choice questions.	10
C	1)is known as father of genetics.	
	a) Gregor Mendel b) William Bateson.	
	c) Robert Hooke d) Linnaeus	

2)	is the usual division of somatic cells.					
	a) Mitosis		b) Meio	osis		
	c) Reproduction di	vision	d) Prod	uction Division.	V. NAHAVO	
3)	Mating of sire to d a) Line breeding	aughter is		of Breeding. breeding	LIBRARY	
	c) Criss Criss cross	sing	The state of the s	Crossing	TAILAMA 1955	
4)	Organism produced by Sexual reproduction are called as					
		b) Clones			d) Characters	
				mosta ma america	tom/III (A	
5)	Length of oestrus	cycle in buff	alo is		. 8	
	a) 27 days	b) 25 day	S	c) 23days	d) 21days	
6)	Gestation period in cow is days.					
	a) 330	b) 148		c) 282	d) 316	
					no indicate a service de la constante a service de la constante del constante de la constante	
7)	is mating of purebreed sires with non-descript females.					
	a) Grading up b) Cross breeding c) Out crossing d) Inbreeding					
8)	The first progeny produced from a cross is called _			generation.		
	a) F ₁	b) F ₂		c) F ₃	d) F ₄	
9)	The Monohybrid test cross ratio is					
	a) 9:3:3:1	b) 3:1		c) 9:3	d) 1:1	
10) Loss of portion of Chromosome following a breakage of DNA is termed as						
	경기 동일에서 이 시작되면 되었습니까? 그렇게 되었습니다. 그리고 있다.			c) Crossing or		