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## SUBJECT CODE NO:- B-2036 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. S.Y. (Sem-III) Examination Oct/Nov 2019 Zoology Paper-VIII Genetics- II

[Time	e: 1:30 Hours]	[Max.Marks:50]
N.B	Please check whether you have got the right question paper.  1) Attempt all questions.  2) Illustrate your answer with suitable labeled diagram.	
Q.1	What is genetic disorder? Explain klinefelter's syndrome.  OR	20
	Explain the process of translation of gene.	20
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Q.2	Describe in detail DNA finger printing.	20
Q.2	OR	20
	Write short notes on any four of the following	20
	a) Transduction	
	b) Colour blindness	
	c) Monozygotic twins	
	d) Types of restriction enzymes	
	e) Albinism	
	f) Phase vector	
Q.3	Multiple choice questions.	10
	1) Trisomic condition of Down's syndromes arises due to	
	a) Triploidy b) Translocation	
	c) Non disjunction d) Dicentric bridge formation	
	2) Which of the following is a genetic disease?	
Á	a) Phenylketonuria b) Blindness	
	c) Cataract d) Leprosy	
5000		
	3) Which of the following is a end codon	
	a) AUG b) GUG c) UAA d) C	GGU
	4) Hypertrichosis is an example of genes.	
	a) Holandric b) Hyper	
	c) Dominant d) Mosaic	
	5) By which enzyme the unwinding of DNA strand is done	
	a) Helicase b) Amylase	
3,300	c) Endonuclease d) Transcription	
30,600	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

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6)	Which of the following is also called bleeder's disease						
	a)	Anaencia	b)	Thron	nbo c	ytoperia	
	c)	Polycythemia	d)	Haem	ophili		
7)	A man who carries sex linked gene on his y chromosomes will transmit this gene.						
	a)	Half of his sons	b)	Half o	of his	daughter	
	c)	All his sons	d)	All hi	s dau	ghters	
8)	Which of the following is sex chromosomal disorder?						
	a)	Colour blindness	b	) Tha	lasse	mia	
	c)	Turner's syndrome	o d	l) Do	wn's	syndrome	
9)	Cloning	g can be done in vitro, via	STOR	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
	a)	Polymerase chain reaction		b)	Get e	electrophoresis	
	c)	Transposons	No.	(d)	Lam	bda phages	
10	) Genetic	engineering means-					
	a)	Manipulation of genes	0,0	3200	b)	Manipulation of cell contents	
	c)	Manipulation of macula adhe	rend	e	(d)	Formation of test tube baby	