Total No. of Printed Pages:02

SUBJECT CODE NO:- B-2080 FACULTY OF SCIENCE & TECHNOLOGY

B. Sc. S.Y. (Sem- III)

Examination November/December- 2022 Zoology Paper-VIII Genetics- II

[Time	e: 1:30 H	[ours]		[Max. Marks: 50
		Please check whether you have go	ot the right question par	per.
N.B		 Attempt all questions. Illustrate your answer with suit 	able labeled diagram.	OBJECT SCHILL SIDE
			b, sola str	
Q.1	Define	e population genetics. Explain gene pool.		20
		OR		
	Define	e gene. Explain transcription of gene.		
				1896, T. C.
Q.2	Define	e microbial genetics, explain transduction.		20
		OR		
		short note on any FOUR of the following.		
		Hemophilic		
		Dizygotic twins		
	C.	Turner's syndrome PKU		
	d.	Phase Vector		
	f.	Hardy Weinberg's Law		
	<u> </u>	Hardy Wellberg S Eaw		
Q.3	Multi	ple Choice Questions: -		10
- 4		Sex linked characters are		
		a) Recessive b) Forend only in Man	c) Dominant	d) Not inherited
	(52)	Conjoined twins are also known as		
	2)	a) Fraternal twins b) Siamese twins	c) Dizygotic twins	d) None of the above
		a) Tracernativinis b) Stances (wins	c) Dizygotie twins	d) I tolle of the above
	3)	Red blindness is called		
2,1	206,	a) Night blindness b) Protonopia	c) Deuteronopia	d) Albinism
			_	
	4)	Name the bacteria which were used by Grift a) E. coli b) Diplococcus Pneumonia	fith for his experiments c) Lacto bacillus	d) Salmonella Typhi
	5)	Which of the following enzyme is not a too a) Endonuclease b) polymerase c) L	ol for a DNA technolog Lipase d) Ligases	y?

	B. Children	2080
6)	First licensed drug produced through genetic engineering isa) Interferon b) Insulin c) Penicillin d) Somatotropin	
7)	Mongolian syndrome is due to a) One extra chromosome b) One extra sex chromosome c) One extra chromosome in 21 st pair d) One less sex chromosome	
8)	Albinism is a congenital disorder resulting from the lack of which enzyme? a) Tyrosinase b) Xanthine oxidase c) Catalase d) Fructokinase	
9)	Which of the following are non-sense codons? a) AUG b) GUG c) UAA d) UCU	
10)	a) Restriction enzymes are also called a) Restriction sites b) Restriction endonuclease c) Restriction polymerase	