10 km 40 6: 2 km

	(3 Hours)	[Total Marks: 89	794
N.B.: (1)	Question No. 1 is compulsory.		
(2)		maining five questions	1
(3)		SALL GINEERING	
(4)			
Write	short notes on: (Any four)	THE RESERVE TO THE PARTY OF THE	26
(a	20 Chemical mutagens	(13)	11
(b	tRNA	Con Contract of Ball	
(c	SNP (* DANDER.	
(d	l) Aneuploidy & associated disorders		
	c) Chaperones		
. (a) W	rite a note on post transcriptional modi	fications in eukaryotic mRNA.	10
	xplain the process of DNA replication i		10
(a) Ex	valain the process of translation in prol		

	(b) Explain the process of DNA replication in prokaryotes.	10
3.	(a) Explain the process of translation in prokaryotes.	20
4.	(a) Explain Watson & Crick model of DNA with the help of a diagram.(b) Explain Mendel's laws with appropriate examples.	8 12
5.	(a) Explain Jacob and Monad's lac operon model.(b) What are the mechanisms available for repair of damaged DNA?	10 10
6.	(a) Explain the attenuation model for trp operon in starved and non-starved condition.	10
	(b) Explain mechanisms involved in termination of transcription in prokaryotes.	5
	(c) Explain the significance of C ₀ t curves.	5