$(3 \times 1 = 3)$

 $(1 \times 1 = 1)$

P.T.O.

11) What are autosomes and allosomes?

b) Mutation theory was put forward by

12) a) Inheritance of coat colour in rabbit is an example for

c) The appearance of offspring which resemble their remote ancestors is

d) All the genes possessed by an individual constitute its _____

IV. Answer the following: (Weightage 1)

SECTION – B (Molecular Biology and Biotechnology)

	(. Dielogy and Dielectificlogy)	
V. Ar	nswer any one of the following	: (Weightage 4)	
13)	Explain the various steps inve	olved in protein synthesis.	
14)	Give an account on recombin	ant DNA technology.	(1×4=4)
VI. Ar	nswer any two of the following	: (Weightage 2)	
15)	5) Explain the Operon concept of gene regulation.		
	Describe the various mechanisms involved in DNA repair.		
	Write notes on the application of genetic engineering on human welfare.		
	Carried Control of the Control of th	(2×2=4)	
VII. Ar	nswer any four of the following	: (Weightage 1)	
	What are cistrons?		
20)	What are monoclonal antibodies?		
21)	the clothing vectors.		
22)	What is Central Dogma?		
23)	3) Give a brief account of nucleosome concept of chromatin.		
	Mention any four characteristic features of genetic code.		
25)	What is gene splicing?		(4×1=4)
26)	Match the following (1 weights	ige)	
	a) Wobble hypothesis	virus	
	b) Okazaki fragments	RNA	
	c) Southern blotting	cDNA	
	d) Transduction	DNA segments	
		Crick	(1×1=1)