24-ZO-24

Roll No.

M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION JUNE - JULY 2024

ZOOLOGY

Paper - IV

	[Molecular Cell Biology and Genetics]		
[Max.]	Marks : 75] [Time : 3:00 Hrs.]	[Min. Marks : 20	5]
Note :	Candidate should write his/her Roll Number at the prescribed space of Student should not write anything on question paper. Attempt five questions. Each question carries an internal choice. Each question carries 15 marks.	n the question pape	r.
Q. 1	Describe transportation of proteins through Golgi and Post tra modification.	nslational (15 Mark	ks)
	OR		
	Describe the transport across the membrane with suitable exam	nple. (15 Mark	KS)
Q. 2	How do cell surface receptors work?	(15 Mark	ks)
	OR		
	Write an essay on Integrins.	(15 Mark	ks)
Q. 3	Describe calcium dependent hemophilic cell-cell adhesion.	(15 Mark	ks)
	OR		
	Describe the chromosomal organization of genes.	(15 Mark	ks)
Q. 4	Write an essay on transgenic animals and its applications.	(15 Mark	ks)
	OR		
	What do you mean by dosage compensation?	(15 Mark	ks)
Q. 5	Describe genetic disorder and human gene therapy.	(15 Mark	ks)
	OR		
	Write an essay on gene libraries.	(15 Mark	KS)
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