No. of Printed Pages: 1



Sl. No.

M.Sc. I Semester Degree Examination, April/May - 2024 BIOTECHNOLOGY

Advanced Genetics

(NEP)

Time: 3 Hours Maximum M			larks : 70	
Note	.,	Answer any five of the following questions with Question No. 1 (Q1) Compulsor question carries equal marks. Draw neat diagrams wherever necessary.	y , each	
1.	Give	an account on population genetics with suitable examples.	14	
2.	Desc	cribe eukaryotic nuclear genome.	14	
3.	Give	an account of genetic and physical maps.	14	
4.	Writ	e a detailed account on monogenic disorders with a suitable example.	14	
5.	Give	an account of different prenatal diagnosis and mention its importance.	14	
6.	(a) (b)	Discuss on the difficulties in mapping complex traits. Give an account of recombinant models.	7 7	
7.	(a) (b)	Give an account on genetics of learning disorders with an example. Discuss on the somatic cell fusion and its importance.	7 7	
8.	(a) (b) (c)	Discuss on cytogenetic mapping. Discuss on genetics of rheumatoid arthritis. Give an account on Amniocentesis.	5 5 4	