No. of Printed Pages: 1



Sl. No.

M.Sc. IV Semester Degree Examination, Sept./Oct. - 2024 BIOTECHNOLOGY

Plant Biotechnology

(NEP)

Time: 3 Hours Maximum M				arks : 70	
Not	e :	(i) (ii)	Answer any five of the following questions with Question No.1 (Q1) compuls each question carries equal marks. Draw neat diagrams wherever necessary.		
1.	Exp	lain i	n detail on plant tissue culture media ingredients and their role.	14	
2.	With	n a ne	eat labelled diagram describe in detail the direct micropropagation process.	14	
3.	Disc	cuss i	n detail on Ti Plasmid vector theory used in plant biotechnology.	14	
4.	Exp	lain t	he principle, procedure and biotechnological applications of PCR.	14	
5.	Des	cribe	the protocol for the production of herbicide resistance plants.	14	
6.	Write in detail on the biosynthesis of secondary metabolites and mention their biotechnological importance.			14	
7.	Write in detail on rice genome project.			14	
8.	Writ (a) (b) (c)	Cyto	hort note on the following : okinin nsposons P	5 5 4	

