Roll No.(12/24)

5244

B.Sc. EXAMINATION

(For Batch 2011 & Onwards)

(Fifth Semester)

BOTANY

Paper I

Plant Physiology

Time: Three Hours Maximum Marks: 40

Note: Question No. 1 is compulsory. Attempt four more questions, selecting two questions from each Unit. Support your answers with labelled diagrams wherever necessary.

- 1. Answer the following questions in short:
 - (a) What do you mean by a biocatalyst ? 1
 - (b) Define Differentiation.
 - (c) What are Saturated Fatty acids?

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	(d)	What are nodulated plants?	1 .
	(e)	Define Morphogenesis.	1
	·(f)	Write full form of PCR.	1
	(g)	Define cellular totipotency.	1
	(h)	What are conjugated Enzymes?	1
		Unit I	
2.	Disc	cuss the properties of Enzymes in detail.	8
3.	Define Lipids. Classify them and discuss t		
	func	tions.	8
4.	Writ	te notes on the following:	
	(a)	Phases of Growth	4
	(b)	Auxines.	4
5.	Wri	te notes on the following:	
	(a)	Competitive Inhibition	3
	(b)	Apical Dominance	2
	(c)	Characteristics of Fats.	3
		ance which becomes one networks.	
ACCOUNTY TO A SECOND			

. Unit II

6.	Give a detailed account of Nitrogen fixati	on.		
		8		
7.	Write notes on the following:			
	(a) Vector	4		
	(b) Genomic Library.	4		
8.	Discuss the process of rDNA technology.	8		
9.	What is plant tissue culture? Discuss method and applications.	its		
	memor and approacions.	0		

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