PCO-MPG201T-S1 about:srcdoc

Exam Date & Time: 13-Jul-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

MEDICINAL PLANT BIOTECHNOLOGY [PCO-MPG201T-S1]

Marks: 75	Duration: 180	mins.
SECTION - A		
Answer all	the questions.	
Answer the f	following (10 marks $x = 50$ marks)	
1)	Give a detailed account on Single cell protein.	(10)
2)	Explain techniques involved in production of secondary metabolites. Write a note on factor affecting production of secondary metabolites.	(10)
3)	Explain various techniques of Protoplast fusion. Add a note on practical applications of protoplast fusion.	(10)
4)	Explain the following (3+3+4=10M) a) Vectors b) Hosts for rDNA technology c) Applications of biotechnology in pharmacy and allied fields.	(10)
5)	Discuss in detail various steps/procedure involved in PCR. List out various applications of the same.	(10)
	SECTION - B	
Answer all the questions.		
Answer the following (5 marks $x = 25$ marks)		
6)	What is Biotransformation? Explain the procedure for carrying out Biotransformation.	(5)
7)	Write a brief note on Synthetic seed.	(5)
8)	Give the source, method of preparation and uses of Urokinase and Diastase.	(5)
9)	Define and discuss various types of cloning.	(5)
10)	Give the applications of Hairy root culture.	(5)
End		

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