

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14BT3008

Sub. Name : Biopharmaceutical Technology

Semester : I

Duration : 3hrs

Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Write about the mechanism of drug absorption and its kinetics		20
		(OR)		
2.	a.	Explain the biotechnology based production of following - Somatostatin		10
	b.	Interferons		10
3.	a.	Write a detailed note on materials used in various drug formulation		
		(OR)		
4.	a.	Explain - Controlled drug delivery systems		10
	b.	Novel drug delivery systems		10
5.	a.	Discuss in detail - production of monoclonal antibodies		20
		(OR)		
6.	a.	Describe the process of treatment of disease with the advent of gene transplantation		20
7.	a.	What are biopharmaceuticals? Explain its history and development		20
		(OR)		
8.	a.	Explain the process involved in the good manufacturing practices of a drug		20
		<u>Compulsory:</u>		
9.	a.	Discuss the involvement of FDA regulations in Clinical trials		20

ALL THE BEST