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			Reg. No. :												
			Question	Pap	er (Cod	e: U	J D1	04						
B E /B Tech DEGREE EXAMINATION APRIL 2024															
		<i>D.D.D</i> .	Profe	essio	nal F	lecti	ve	,							
			В	iotec	hnol	ogv	, c								
		21BTV10)4 - BIOPHAI	RMA	CEU	JTIC	AL	ГЕС	HNC)LO	GΥ				
			(Re	gulat	tions	202	1)								
Duration: Three hours Maximum.									: 100	100 Marks					
			Answ	ver A	ll Qu	estic	ons								
			PART A	- (10	x 2 =	= 20	Marl	ks)							
1.	Define CADD								CO1- U						
2.	What do you mean by Pharmacoeconomics?							CO1- U							
3.	What is the process involved in Drug manufacturing?							CO1- U							
4.	Difference between competitive and non-competitive inhibition							CO2- App							
5.	What are the preparation methods of effervescent granules?							CO1- U							
6	Differentiate Monophasic and Biphasic liquid dosage forms							CO2- App							
7	What is meant by transfection?						CO1- U								
8	Define API						CO1- U								
9	List out the common side effects in Streptomycin						CO1- U								
10	Classify the sources of Antibiotics							CO1- U							
			PART	– B ((5 x]	6=8	80 M	arks)						
11.	(a)	Discuss in detail stages	about the Drug	g dis	cove	ry ar	nd its	s dev	velop	men	tal	CO1	- U		(16)
	(b)	Demonstrate the t	ypes of Therap	Or Deutic	e enz	yme	and	its ap	oplic	ation	IS	CO1	- U		(16)
12.	(a)	Selective Serotor reuptake of serotor neurotransmitter to of a drug is kr therefore discuss a	nin Reuptake onin in the bra o increase. So nown—other f about the vario	Inh in, w meti times ous dr	uibito which mes s, it's rug m	rs (allo the r s no necha	SSR ws t nech t fu anisn	Is) he le anis lly ns in	inhit evels m of unde deta	oit t of t acti rstoc il	he he on od,	CO2	- Aj	р	(16)

Or

(b) Drugs can have many different kinds of effects on the human CO2 - App (16) body. Determine how much you know about areas like a basic definition of pharmacodynamics and drugs that bind to receptors to mimic substances that body makes naturally.

13.	(a)	Explain in detail about the oral dosage form and it types Or	CO1 - U	(16)
	(b)	Explain in detail about the preservation and packaging technique involved in production of pharmaceutical products	CO1 - U	(16)
14.	(a)	Elaborate how liposomes are capable for entrapment of both hydrophilic and lipophilic drugs. Give its advantages Or	CO1 - U	(16)
	(b)	Detail a case study to stimulate discussion around how the core principles contained could be applied to product realisation programs for a biotechnology-derived monoclonal antibody	CO1 - U	(16)
15.	(a)	Classify penicillin. Explain in detail pharmacology of penicillin Or	CO1 - U	(16)
	(b)	What are monoclonal antibodies? Classify them by giving relevant examples	CO1 - U	(16)