## MASTER OF PHARMACY (M. PHARM.) (CBCS-2019 COURSE) M.Pharm. Sem-I: PHARMACEUTICAL BIOTECHNOLOGY: MARCH: 2022 SUBJECT: ADVANCED PHARMACEUTICAL BIOTECHNOLOGY

D D

Q.8

a)

b) c)

Time: 10:00 AM-01:00 PM

(15)

ay : Fri ate 25-	iday · <b>Mar-202</b>	May M	larks: 75	JO 1 WI
N.B.	<ol> <li>Q.No. 1 and Q.No. 5 are COMPULSORY. Out of remaining questions a ANY TWO from each section.</li> <li>Answers to both sections should be written in SEPARATE answer books</li> <li>Figures to the RIGHT indicate FULL marks.</li> </ol>			
		SECTION – I		
Q.1	Outline	shot-gun strategy used to sequence large genomes.		(08)
Q.2	State the principle of polymerase chain reaction. Elaborate on its mode of operation and application in biotechnology and diagnostics.			(15)
Q.3	What is E.coli.	s recombinant DNA technology? Describe production of hum	nan insulin in	(15)
Q.4	<ul><li>a) cI</li><li>b) Te</li></ul>	notes on <b>ANY TWO</b> of the following:  ONA library elomerase  NA fingerprinting		(15)
		SECTION – II		
Q.5	Describ	e use of microbes in environmental cleanup.		(07)
Q.6	Describ	e GPCR mediated signal transduction.		(15)
Q.7	What is	human genome project? Give salient outcome of human genome	me project.	(15)

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Write notes on ANY TWO of the following:

Single nucleotide polymorphism Receptor ligand interaction

Humanized model