210	210	210	210	210	210	210	210
	Regist	ration No :					
10	Total n	umber of pages	: 02 ₂₁₀	210	210	B.Tech	210
		5 th Seme	BRANC Time : Max Ma	Back Examinat HNOLOGY H : CHEM 3 Hours arks : 100 DE : E210	ion 2018-19	PCE5H001	
10	21 Answe		l (Part-I) which	is compulsory O from Part-III. and margin inc	licate marks.	rom Part-II,	210
10	Q1 210 a) b) c) d) e)	Answer the folk Name the differ Differentiate be What do you m Write a note on Write two water Define five king	Type Questions : wing questions : ent nutritional typ tween chemical dean by disinfection membrane filter to borne diseases adom classification	e of microorganis efined media and n? Give two exan echnique in wate and their causal c	em. ²¹⁰ I selective medianples. Ir purification. Ir ganisms.	(2 x 10) 210	210
10	g) h) ²¹⁰ i) j)	Define lagoonir Write¹importand		ge treåtment pro	cess. ²¹⁰	210	210
		Focused-Shor	Pa t Answer Type Q	rt – II	er Any FIGHT o	au t	
	Q2	of TWELVE)	owing questions:	, door on one of	or Ally Elemino	(6 x 8)	
10	a) 210 b) c) d)	Give an accour How microbiolo Write the utiliza Give an accou shape. Write chemical	at of different area gy is related to ch tion of microorgan ant of bacteria d composition and	emical reaction? nisms in food induifferentiated by function of bacter	210 ustries. different size a rial capsule.	n. 210	210
10	f) g) 210 h) i) j) k)	cell wall. Write in detail a Describe the be Describe the di Draw the neat s Enumerate ab importance.	etween gram-pose bout bacterial repenthic microorgan fferent processes structure of septic out anaerobic s chanism of a trick	roduction system isms. 210 of primary treatm tank and explain ludge digestion	n. 210 nent unit. its mechanism. process and	210	210
10	210	210	210	210	210	210	210

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	Q3	Long Answer 1 Describe about kinetics of bacte	(16)				
210	210	210	210	210	210	210	210
	Q4	Write the techning note on subculture	(16)				
	Q5	Define MPN. Gi	(16)				
	Q6	Describe the different processes of sludge management and discuss their importance.					
210	210	discuss their im	οοπ ance. 210	210	210	210	210
210	210	210	210	210	210	210	210
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