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•	Roll No	Total No. of Section : 03 Total No. of Printed Pages : 03
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•	)	Code No. : B/2058(C)
0	)	Fourth Semester Examination, May 2017
		M.Sc. CHEMISTRY
•	)	Paper - IV
	)	CHEMICAL KINETICS
	)	
		3 Hrs. Max.Marks: 80
•	Note	: Section 'A' consists of 10 very short answer type questions, all of which are compulsory and should be attempted first. Section 'B' consists of four short
•	)	answer type questions with internal options. Section 'C' consists of four
•	)	long answer type questions with internal choice.
		Section - 'A'
		Answer the following very short-answer-type questions in one or two sentences: (2x10=20)
•	0.1	What is meant by complex reactions?
	Q.1 Q.2	Define microscopic.
•	2.3	Differentiate between rate of reaction and specific rate of reaction.
•	0,4	Write the expression for calculation of entropy of activation
		For a reaction both $\Delta H$ and $\Delta S$ are positive. Under wha
	0.5	condition, reactions will be spontaneous?
0	Q6	What is the significance of Grunwald-Weinstein parameter?
0	57	What is tunneling effect?
0	Q.8 Q.9	Write Taft equation.
		What is Swain-Lupton equation?
,	Q.10	Write the Michaelis-Menten equation. P.T.O.
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