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AG	AG	AG	AG	AG	AG	AG	_
AG	Time: 3 Hours  Note: This ques	ARLAL NEHRU B.Tech II Yea FORMAL LA	IT II Semester ENGUAGES AN (Common to	Examinations, A D AUTOMATA CSE, IT) and B.	pril - 2018 THEORY	x. Marks: 75	
AG	carries 10	s compulsory was insists of 5 Units. marks and may h	Answer any on ave a, b, c as su	e full question f b questions.	from each unit.	Each question	A
AG	c) If a Regul d) Construct e) For the Construct string aabl f) Define Puring What is the h) Write a Construct	ut the application ar grammar G is a regular grammar Grammar (S AS baaa? Sh Down Automa e purpose of studentext free grammar	given by S  a S/a  or for L= {0 <sup>n</sup> 11/r  s/a, A  a SbA/SS  ta.  ying Turing Mac  ar for the langua	a Find DFA (M)  1>=1 }.  /ba / construct 1  chine?	Left most deriv	[3]	Δ
AG	j) Define Pos	tample of un decident correspondence	Problem.	$\mathbf{B}$	AG	[2] [3] (50 Marks)	A
AG	2.a) Construct 1 * denotes	Minimum state A final state	0	following DFA?  1		AG	A
AG.	i) All string ii) All string	A for the following s containing not rest that has at least DFA accepting the	g over {a,b}. nore than three at two occurrence	a's. s of b between a	ny two occurren		A
46	AG	AG .	AG	AG	AG	AG	A

