AG	AG	AG	AG	AG	AG	AG	_
AG	Code No: 134BI JAWAHA Time: 3 Hours	ARLAL NEHRU B.Tech II Yea	ar II Semester E NGUAGES AN	GICAL UNIVER Examinations, Ap D AUTOMATA CSE, IT)	pril - 2018 THEORY	R16 ABAD  x. Marks: 75	Δ
Λ	Note: This ques Part A i Part B co carries 10	s compulsory was sists of 5 Units, marks and may be	ns two parts A and which carries 2:  Answer any or nave a, b, c as su	nd B. 5 marks. Answere 6 full question for the following t	er all questions rom each unit. I	s in Part A. Each question	/
AG	AG	AG	/ PART	- <b>A</b>	AG	(25 Marks)	A
AG	c) If a Regular d) Construct e For the G string aabt f) Define Pus g) What is the h) Write a Co	at the application ar grammar G is a regular grammar ammar {S→AS as a Power Automa be purpose of studentext free grammar application of the context free grammar appli	given by S→aS/a ar for L= {0 <sup>n</sup> 11/r S/a, A→SbA/SS ata. ying Turing Mac nar for the langua	a Find DFA (M) and the second struct I white?	Left/most deriva	[3] nation for the [2] [3] [2] [3]	Δ
AG.		ample of un decidence	Problem.	$\mathbf{B}$	AG	[2] [3] (50 Marks)	A
4G	2.a) Construct N * denotes	Ainimum state A final state	0	following DFA?  1		AG	A
4G	i) All strings ii) All string	for the following scontaining not rest that has at least DFA accepting the	ng over {a,b}.  more than three a  t two occurrence	a's. s of b between ar	ny two occurrenc		A
	AG.	AG .	AG	AG	AG	AG	A

(

(

