Name -	Assignment 2 Theory
Ishaan B	
No Date	Important i.e $p(s/s)(s,a) = p(s/s,a)$
91.	The table will stay the
e:	cost for the nowe where p(8/8,a)=0
a	ne surround. This is due to the
2+4478	act that only a single suward
	8 possible with each faiplet of a, s'). Now we can see that
(.S)	n each (s,a), PES. p(s', 91 8, a) = I
as.	follows
) bigh	S A Malling 1379
3) D Tools	high search (x+1-a) = 1
Localne	high wait (1+0) = 1
2 6 3 2	does grachange (1+0) = 1
	BUG) and sound, wheelard
	e following two changes are made in the code-
ACID ACC	The palicy n'is taken to be
	those stochastic instead of determining
	stic is all actions have have some
(78.1 y upa	iotoibility.
	If more than one action comes
1 1 9	it to be optimal they are given
	qual pour abilities.
DFLTA My NoteBo	

	Page no.
Date	
<u>Q</u> 3.	
<u> </u>	Exencise 3.15
	No, the signs of the grewards do
	0-1
	relative to each other are impostant.
	- section of that
**	This is due to the fact for that
	adding a constant to all the
	does not change the sulative distaution
<i>\$</i>	1 1 This can
	of state value function. This can
	be seen as follows
F Conto	Fin the continuing case.
	Continuing Case
	$V_{\pi}(s) = E(G_t S_t = 8)$
	= F[R+++ + 8R++2+ 82R++3]
	S ₄ =8
	Adding a constant & to Ec to
	no a constant
	all remards-
	V(18+) = E[R++++ + (R++2+C) G
	= F [R+++++2R++2
	C+ 7C + 82C
-	The state of the s
- A	= E R +++ & R++2 S+=8) + C
	1-8
	$= E \left[G_{+} \right]^{5+3} C$
	1-8
_ 40	v _e \
L 3.51	
DEITA	Man Market State Control of the Cont

AL PROPERTY OF	2 constant
	Exercise 3-16 Page no. Page no.
Dala	Episodice Case que de Case
	- and reduce 1227 - 1) don't 100 - 120
/ /	V7(8) = E[G+ 8+=8]
	= E/R++1+C+ P & (R++2+C)+
	+ J (R+++++c)
	is tolative mouse whom is transpersed
	= E[R+++ &R++ + 82R++3]
	1 2 (R) 3 (R) 4 (A) 4 (A
	S 19 12 L 2 L 2 L 2 L 2 L 2 L 2 L 2 L 2 L 2
	Fog smaller 'k', the term is smaller.
	Hora in this case, the states that will
	to the torinial state become
	la lavonble now. Hence mere 15 ac
	relative change in state values.
	and and and one with any
R	$V_{*}(8) = \max_{\alpha} q(s,\alpha) = 0$
<u>_</u>	=) V (8) = F max F (G+ 1 8+=8, A+=4)
117	aeA(8)
V.S	max 2 2 p (8,91) 8 3, a]
	(8) (8)
2	using (1) again
	Un (8) = max & & p(8,9,8,a) [91+7.
	Stillides dans longs of
- 2	$\max_{\alpha} q^*(\vec{s}, \alpha)$
	4 (S/C)
	Van -
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