10/3/21	ISE AI	OM RaWAL 1811037
IQO IAI		
Q1 NCQ.		
1.) A		
2)	Utility based Agent	,
3) ( 4) C	set of rules & segne	ence of steps.
4) C 5) C	Small search sp	
6) 0	fuzzy logic Set like huma	
7) B		lasts are equal.
8) C	Duccessor Juno	tion,
9) D	Act rationally	
10) B	John McCarthy	

2	OM RAWAL.		
	1811037		
A2 DCAC	(Q)		
Q2 PEAS stands for Performance Measures	Ø.		
Performance Measures			
Environment			
Actualors			
densors.			
Assumptions: - building to bocat floor & room num aptions available &	ion is just telling the		
floor & Proom nun	rber. User selects		
plions available &	Rys in specific query.		
Performance Measures:-  Complete list of FAQ:  Shows next state and presented with current			
(On 1 to 1: 1 A Com	11		
> heart next to 1	spresen +7		
here to it	when.		
hat it	Slati of.		
patient in vaccinatio	n v		
Eg (has registeredon reset is go to V	portal		
Jan 10 V	accine +8.		
room).	+,		
o guide to proper los			
based on british ty	pual. +8.		
requirements of	V		
· Multiple language	support + 4		
· Query nat onswerable	5		
	<b>A</b>		
· Wrong location guido	uce -4:		
· Do of user is aged.			
large fort with audio	+6		
U Support.			
· to Ease of navigation			
8 understandibility of + 9.			
instructory J	U		

OH RAWAL 1811037 Environment: Vaccination Centre With doctors,
patients, helping staff, etc. Printing on screen the response of same serior citizen home difficulty in reading small charaters. Densons: - touch, & kyboard input Proporties of task environment: Dartially observable: Agent might onswer queries

but some queries can be vague which

it cannot answer. Also loss technical faults

might result in changing location of some room

that may not be applied to agent immediately > Single Agent :- Is agent will have no possible intervention in its work as only aser pays in query & agent responds > Envero Deterministic: - if patient wants steps of vaccination the agent will simply print it stocastic: - Agent connot predict the next query of the user

OM RAWAL. 1811037. -> Epos Episodic: - Is all quiries are independent
queries related to technical registration So quiries of related to biological history -> Static The locations do not change frequety. The sequence of steps to get voccinated remain the same All the Condition action rules for Juiling & FAQ are preprogrammed >> known As all senior citizens are considered under one category the procedures will be some for all people of that age group. -> Discrete: -

1811037 Q. Water jug problem 93 assuming litres & gallons are equal quantity The state space of the problem can be set of integers to go r is quantity in 4 galaxies  $\chi = \{0, 1, 2, 3, +\}$   $y = \{0, 1, 2, 3\}$ start state: (0,0) youlstate: - (2,0) (No youl test as goal state is Path cost: - Each action costs 1 unit empty all contents of 2/y 2=0/y=0 Actions travsition Model. transfer all contests of gin x y=0 x=2+y transfer z ta y till y full & = 2-(3-y) y = 03 transfer y tax till & full y = y-(12) x = 4

OH RAWAL

OM RAWAL 1811037 Rule state Process (x,y 1x4+) (4,4) Sfill 4 g jug corplety) (X) Y(3) (x,3) & fill 3 y jag conflictly) (x,4 | 4 >0) (X,0) & Enopty 39 jug) (x, y | 2 >0) 4) (0,4) { Empty 4 g jag) (x,y | x++>=4) (4, Y-(4-x)) {3 → + wntill 4 is full 3. (2x, K=< K+X >=3, X>0) (x-(3-4), 3). {4-3 until 3 is full 3. (xy | x+y == 4 1 4 >0) (x+y,0) fall from 3 to 4 (X,Y X+YZ= 3 ^ X>0) (0,X+Y) & all from + to 3} (0,2). (2,0) { pour. 2g from 301 to 4613. Solution: -Initialize jugs to (0,0).



