	Subject:- TS Experiment / Tutorial / Assignment No. :- FA - I Page:- I
۵ij	Describe Penformance measures, environment, Actuators and Sensous fou above applications.
→)	Part picking robot is a part of it Performance measure: To pick up all the spare parts timely and assemble it in proper bins. Environment: Factory, tooks, workers, conveyor belt with parts, Actualous: To inted Arm/Hands. Sensors: Camera, joint angle sensors.
	af Medical: - A virtual doctor is a part of et Performance measure: - Patient is satisfied, fully recovered from disease Environment: - Jeleclinic, Room, Hospital Actuatores: - Display screen, voice response system and captions screen Sensors: - Medical derices, voice inputs from patients and aftendant data entry by the local aftendant.
	3] Education: - Online Luton is an example of Education field Penformance Measure: - Maximize students score on test, improve student penformance. Environment: - Classroom, Set of students. Actuators: - Screen display Sensors: - Keyboard.
	Y Education/Entertainment: Monie recommendation system Performance Measure: - The user watches the monie/show recommended by the system.

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0.7	4] Entertainment: - Poko a) Partially Observable: - We can't observe whole b) Multi- Agent: - Multiple players can play to c) Stochastic: - We can't determine what would to d) Sequential: - Actions depends on descision to e) Discrete: - We can finish the game in num Identify and justify calegory of Intelligent &	habben nex ken in ba bevical ac	tintint
<u>(</u>	i) Factory Automation is a category of bodily Kir intelligence it robusts heads to use their arredismantle parts of their system to complete 2) Medical falls in the category of linguistic intelled to virtual doctor system nexts to interact with is their regional language and understand to	nesthefic ns, hands the task ligent syst the patie their conc	eun.
	3) Education falls in hinguistic Intelligent as in english tutore needs to know English and be a in English to teach students 4) Entertainment falls into interpressonal intelligent to determine / recommend monies / shows based feelings and intentions which helps the system		
	effective		

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<u>Q4]</u>	For each	n of the applications, relate which ty fure is most appropriate.	pe of agent
→ ·	and model of the La a) Medico fo ensu 3) Education met the 4) Enterto	automation: Utility based agent ar ost appropriate as companies needs the sk timely and effectively. al:- you based agent is most appropre that the surgery is performed with on: - you based agent is most appropriate of the data for month the least amount of the data for the least amount of the data for the least amount of the data for the data for the least amount of the data for the least amount of the data for the data for the least amount of the data for the data for the least amount of the data for the	mate as we need. In good results. Sonate as the goals the exam most appropriate
0,5]	Outline applicat	the problem formulation for each of ion w.r.t any tack related to applica	the above
	1) Problem Initial Actions: Goal st	Formulation for Part-Picking Roberstate: Robot is currently fere for Picks the part, assemble the part of ate: Successfully picks the part of openly in bins.	m work
	a) Medica Initial Actions drops	L diagonose robot:- state:- Robots is ready to take for :- Picks the surgery tools, perforthetool.	atients history. rm surgery and
	TUEN (DST	li- 1 cost per action.	

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			Page :- 5
Actions: Lyoal st	- To give re	it for students questic esponse to questions/de ake students satisfi	bubte as Ked
Goal St	Blate: 8 pu; - Mone a ate: - To r	33le precided to use blank tile up, left each the 8 puzzle few ber action.	to achieve the goal. , right, bottom. battern needed.
rath coc	t 5- COS-t	pot aggroup	
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	NB	A and NAAC Accredited	·