Pg-2 system that hang rolling - The Skidy Of the Computation that make Et possible to percere, reason and System that act rationally - The brance at compaire science that & concerned esth the automobon of Interligent behowiour. 2) whit a note on Turing test ) A turing test is a method of inquiry In avadacce intelligence for deremining whene or not a compute & capable OF thinking for a human being. Turns proposed that a Compare con be soid to posses aniferou interingence If it can minic or act live a human responer or thing fire a human brown under Certain Condition. The original turing rest requires three teminals each of which is physically separated from the other feso. One terminal is two are operated by human. During Scanned by TapScanner

as the questioner, while the Second human and the complier tunction as responde. The questions interrogans the respondent with in a spécific subjet orea using a Spécified formar ox context. Afte a present length or time or number of question, the questione is then asked to décide respondent vas human and which was a Comparer The test is reproved many hime. If the questioner males the Correct deremination in holf of the test runs or 1055, The Computer is Considered to have Al because the questioner regards it as "fust as human". 3) Exploin Application of A1? -) The State of the Art. :- Robonic vehicle A dériveress roboès con nomed Stantey Sped through the rough terrain or the mojoire dessert at 22 mph - Stanley is a volucroages outfitted with comeras rator and last rangerinder to sense the environment and anboard soffwore to Command the Steening, breaking and acceteration

- Speech Recognision - A trovere Carry united Airlines to book a fright con hove the entire conversation guided by an automated speech recongnition and dealog management system - Autonomous planning and scheduing Mara Pemore Agent program became the first on board caronomous planning program to connot the scheduling of operation for a Spacecroft Remote Agent generated plans from highlever goods sprouher bom the ground and monitored the execution of those plans -dording, déagnosing and hecovering. - Game plaging - IBM, Drep blue become the Perst Computer program to detect the world champion in a chess moven when it be were able to loss and drow a fre moternes in subsequent years. - be span righting - Each day kaning algorithm classify or a billion message as span saving recipient from hoving to coasie time.

- model-based netter agant- Pg-6 IF works by Kinding a new whose Condition moteres the current situal As It can handle panifally observable environments by are of moder about The world. The agent was in keep book OF Internog Stare. Goat-based agent - These wind or agents tell decision based on how for they are commy from their good. That every action 95 Priender to reduce is distant from goal. his allows to said malliple possibilies - whiley bossed agents. - The agents which are developed having their uses as building block on carred withing bused agents, when there on multiple possible alternoque then ho decide which one is best. They choose action based on preference for each state - Learning Agents - A leavieng agent In Al Pstu type ox agent which con korn from ils port experiene or fir has koming Capabilities. It stons to act with basic knowledge and through karning

0.5 Explosin properties of took environment Fully observable us parfairy observable IF an agent sersons give it access to the Complete state of the environment at each point intime, then we say that the task environment is fully observable A toich environment is & effective fully observable if the sensors detect all aspects that one relevant to the cholice of auton relevance in turn depends on the performance measure 2) stingle agent us muhagent - cité an agent es aufing in the environment soley or engage into Certain recationship with other agents diskingwishing them from other abject of the antimoment by Identitying that 95 own performance depends on othe agente petrmance mouhagent énironment Contre Competer, Cooperative or porscoury both 3) percue us continuous - Describes a Star of the environment the way Ime is being handled and to the percent and owner of an agant chess game in discrete

PAGE NG. / DATE
PG-87
4) Stocke us Pyannic
- IF an environment es changing while
- an agent is decibroning then it is
dynamic Stanc environment does not
change ove time. Semidynamic onvironment
does not change but on agents
performe.
3) Dereministic vs Stochastic
- It a next stare of the environment
is completely determined by an agent
ont any varotion one excluded then
the environment is determinitelle otherwise
Q6 Explain 8 parole quem problem
- In spuzzle there are & files need to
be amonged in a way showed in the
god store
1-1-21
7 2 4 3 4 5
8 3 1 6 7 8
The Indiana Social
A fine organent testre blank space
can stide into the space The object
Con stide into months and state of special good state
such shown in good store régure

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P9-9 States: A state desurpsion specimen the localifan of each of the elight tiles and the blank in one of the ninc squarer Inflital Share :- Any stare can be destanted as the Phila state, Note that one given gow combe reached from exactly half of the possible Philipour Shoure - Action = The Simplest formulamon dent the acisans as movements of the blank space lett, lightup or down Different subjets of these are possible depending on where the blank is Transinan Mode: - alla a stone and outen this returns the resulting state Good test - This checus whether the Store movenes the good configuration Q7 Explose hensite heuristic Fundson A nouristic heurspie Función B an evanuer hundren, to which the search Store B given as Enpar and Ex generates the tangible representation of the stave or output.

P9-10 It maps the problem steve description to moscire of desirablily, asaally represented as number weight , The voice is a neursire function or a gruen node en the season process give a good estimate of that node being on the desired para to solution It enalates fordavidual problem stare and determines how much promise. promissing the State 95. Heursche functions are the most common voy or Emporting additional knowledge of the problem state to the search algorithm. volue of hode n, 'e' Stare Modes/ Hearthe function of the The representation may be tre approximate cost of the pain from the good node or number of hopes required to reach to the good node or number of hopes required for a noden, hen) = estimated cost or the cheapeur por from the State at node no a good state. It kods to faste and better that ir will never read in wrong direction In the Search tree